

CDX-L300/L460X

SERVICE MANUAL

Ver 1.0 2001. 11

US Model
Canadian Model
CDX-L300
E Model
CDX-L460X



Photo: CDX-L460X

- The CD sections have no adjustments.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US Model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
22 watts per channel minimum continuous average power into
4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more
than 5% total harmonic distortion.

CD player section

Signal-to-noise ratio 90 dB
Frequency response 10 – 20,000 Hz
Wow and flutter Below measurable limit
Laser Diode Properties (CDX-L300)
Material GaAlAs
Wavelength 780 nm
Emission Duration Continuous
Laser output power Less than 44.6 μ W*

* This output is the value measured at a distance
of 200 mm from the objective lens surface on the
Optical Pick-up Block.

Tuner section

FM

Tuning range CDX-L300:
87.5 – 107.9 MHz
CDX-L460X:
FM tuning interval:
50 kHz/200 kHz
switchable
87.5 – 108 MHz
(at 50 kHz step)
87.5 – 107.9 MHz
(at 200 kHz step)
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz
Usable sensitivity 11 dBf
Selectivity 75 dB at 400 kHz
Signal-to-noise ratio 65 dB (stereo),
68 dB (mono)

Model Name Using Similar Mechanism	CDX-L250/L430X NEW
CD Drive Mechanism Type	MG-393X-121//K MG-393XA-121//K
Optical Pick-up Name	KSS-720A

Harmonic distortion at 1 kHz

0.7% (stereo),
0.5% (mono)

Separation

33 dB at 1 kHz

Frequency response

30 – 15,000 Hz

AM

Tuning range

CDX-L300:
530 – 1,710 kHz
CDX-L460X:
AM tuning interval:
9 kHz/10 kHz
switchable
531 – 1,602 kHz
(at 9 kHz step)
530 – 1,710 kHz
(at 10 kHz step)

Antenna terminal

External antenna connector

Intermediate frequency

10.7 MHz/450 kHz

Sensitivity

30 μ V

Power amplifier section

Outputs

Speaker outputs
(sure seal connectors)

Speaker impedance

4 – 8 ohms

Maximum power output 45 W \times 4 (at 4 ohms)

– Continued on next page –

FM/AM COMPACT DISC PLAYER

9-873-402-01

2001K0400-1

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Sony Corporation

e Vehicle Company

Published by Sony Engineering Corporation

SONY®

CDX-L300/L460X

General

Outputs	Audio output Power amplifier control lead (CDX-L300) Power antenna relay control lead (CDX-L300) Power aerial relay control lead (CDX-L460X)
Tone controls	Bass ± 10 dB at 20 Hz (CDX-L300) Treble ± 10 dB at 20 kHz (CDX-L300) Bass ± 9 dB at 100 Hz (CDX-L460X) Treble ± 9 dB at 10 kHz (CDX-L460X)
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 50 × 176 mm (7 1/8 × 2 × 7 in.) (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 161 mm (7 1/4 × 2 1/8 × 6 3/8 in.) (w/h/d)
Mass	Approx. 1.2 kg (2 lb. 10 oz.)
Supplied accessories	Parts for installation and connections (1 set)

Note (CDX-L460X)

This unit cannot be connected to a digital preamplifier or an equalizer.

Design and specifications are subject to change without notice.

SERVICE NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

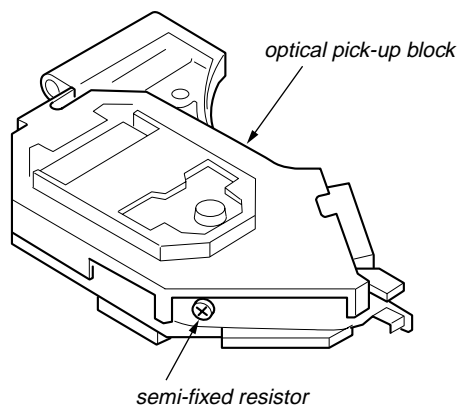
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

If the optical pick-up block is defective, please replace the whole optical pick-up block.

Never turn the semi-fixed resistor located at the side of optical pick-up block.



TEST DISCS

This set can playback CD-R and CD-ROM discs. The following test discs should be used to check the capability:

CD-R test disc TCD-R082LMT (Part No. J-2501-063-1)

CD-RW test disc TCD-W082L (Part No. J-2501-063-2)

Notes for Inspection of the Mechanism Deck

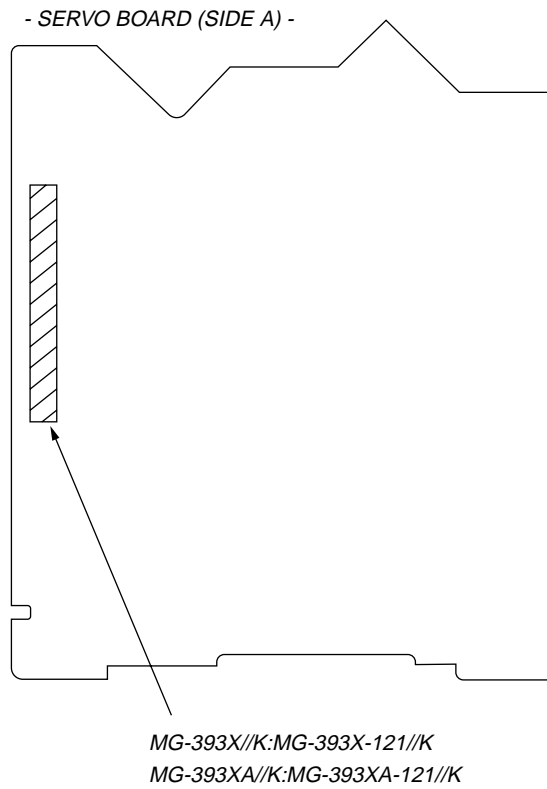
The CDX-L300 uses two types of mechanism decks.

Former type: MG-393X-121//K

New type: MG-393XA-121//K

The CDX-L460X only uses the MG-393XA-121//K.

When inspecting and/or serving, check the model No. printed on the SERVO board.

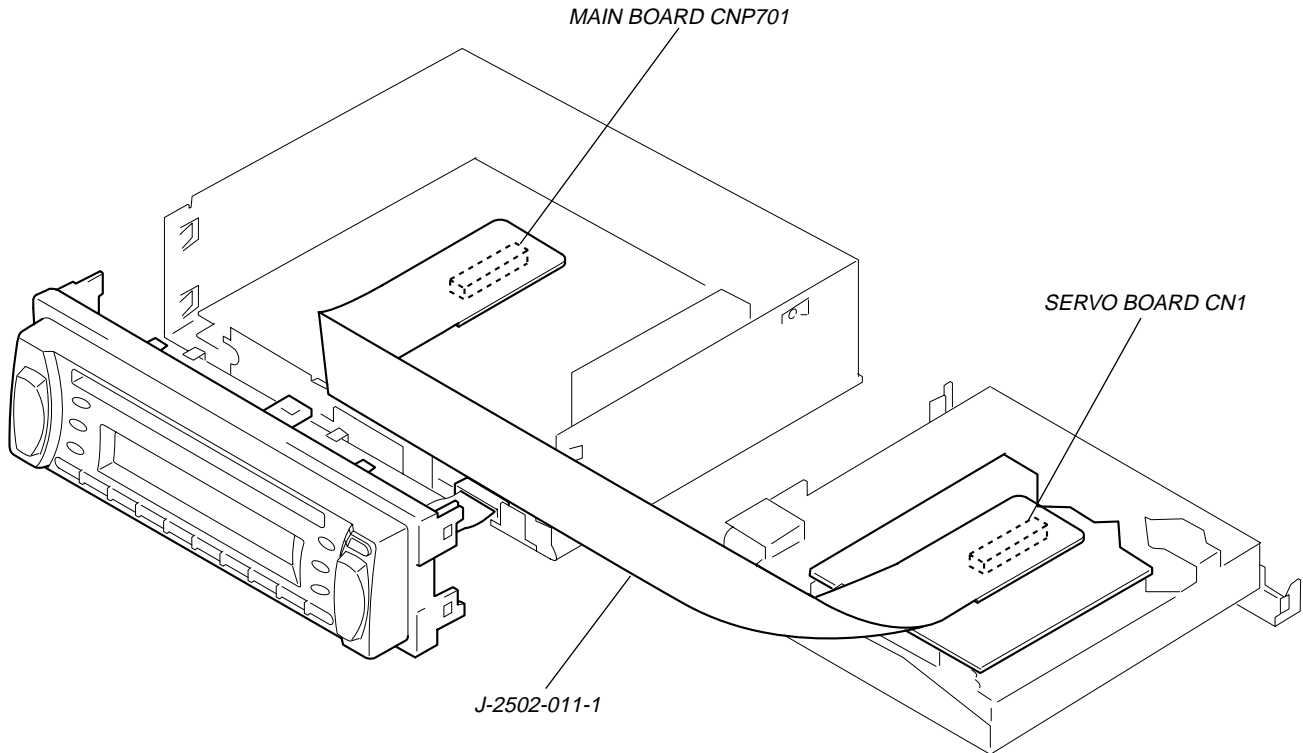


EXTENSION CABLE AND SERVICE POSITION

When repairing or servicing this set, connect the jig (extension cable) as shown below.

MG-393X-121//K

- Connect the MAIN board (CNP701) and the SERVO board (CN1) with the extension cable (Part No. J-2502-011-1).



MG-393XA-121//K

- Connect the MAIN board (CNP701) and the SERVO board (CN1) with the extension cable (Part No. J-2502-062-1).

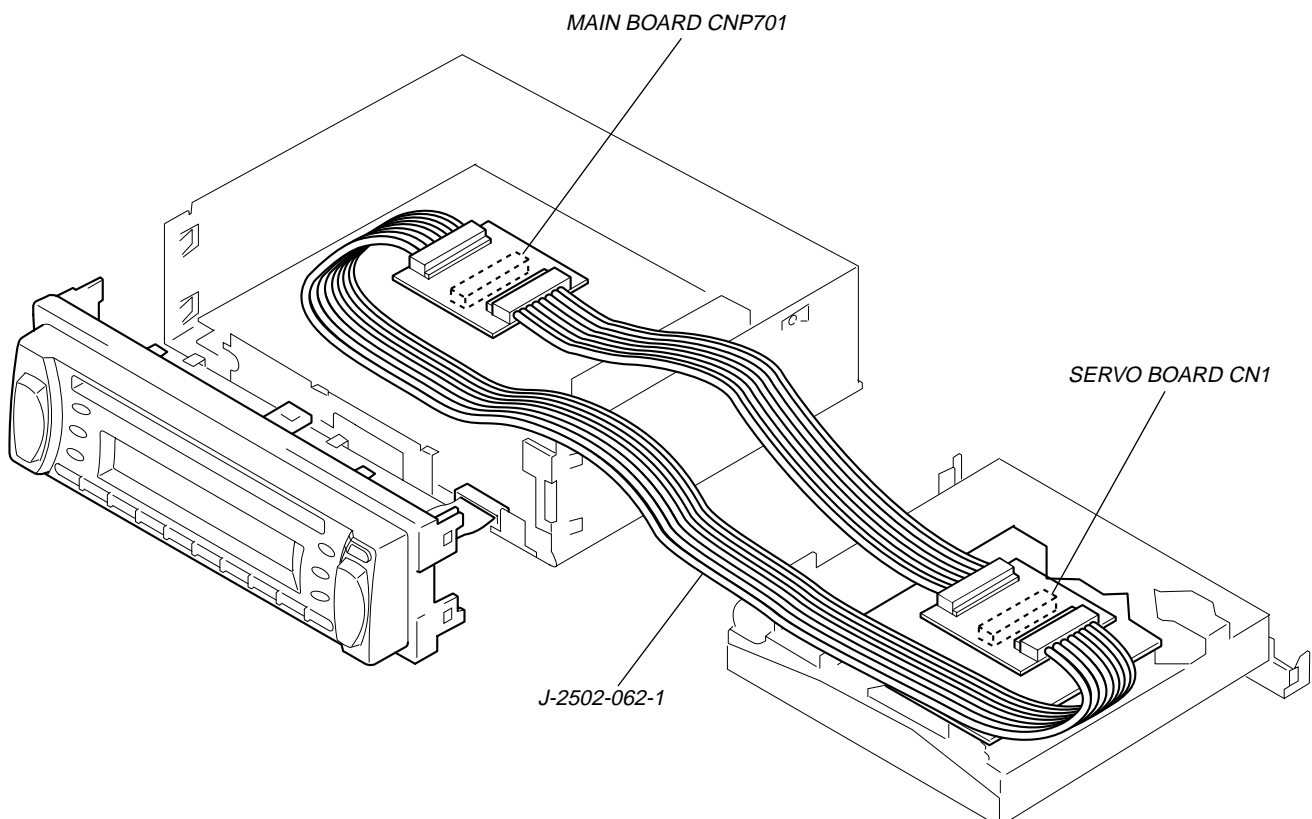


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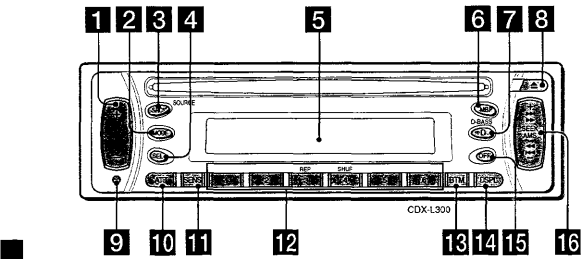
5. ELECTRICAL PARTS LIST 46

SECTION 1
GENERAL

This section is extracted
from instruction manual.

Location of controls (L300)

Refer to the pages listed for details.



- 1

Volume +/- button 7, 11
- 2

MODE button
RADIO 9, 10
- 3

SRC (SOURCE) (TUNER/CD) button 7, 9, 10
- 4

SEL (select) button 7, 11, 12
- 5

Display window
- 6

MBP (My Best sound Position) button 12
- 7

D (D-BASS) button 12
- 8

▲ (eject) button 7
- 9

Reset button 6
- 10

ATT (attenuate) button 11
- 11

SENS button 10
- 12

Number buttons
CD ③ REP 8
④ SHUF 8
RADIO 9, 10, 11
- 13

BTM (Best Tuning Memory) button 9
- 14

DSPL (display mode change) button 7, 8
- 15

OFF button* 7
- 16

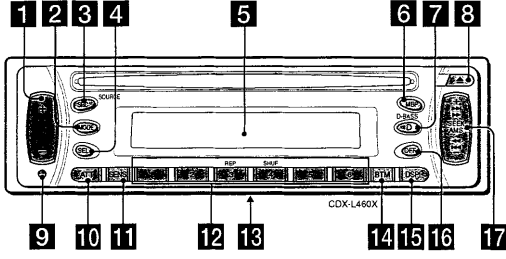
SEEK/AMS +/- button
CD 7
RADIO 9, 10

* Warning when installing in a car without an ACC (accessory) position on the ignition key switch
Be sure to press (OFF) on the unit for 2 seconds to turn off the clock display after turning off the engine.
Otherwise, the clock display does not turn off and this causes battery drain.

Location of controls (L460X)

Refer to the pages listed for details.

CD : During Playback RADIO : During radio reception



- 1

Volume +/- button 7, 11
- 2

MODE button
RADIO 9, 10
- 3

SRC (SOURCE) (TUNER/CD) button 7, 9, 10
- 4

SEL (select) button 7, 11
- 5

Display window
- 6

MBP (My Best sound Position) button 11
- 7

D (D-BASS) button 12
- 8

▲ (eject) button 7
- 9

Reset button 6
- 10

ATT (attenuate) button 11
- 11

SENS button 10
- 12

Number buttons 11
CD ③ REP 8
④ SHUF 8
RADIO 9, 10
- 13

Frequency select switch (located on the bottom of the unit)
See "Frequency select switch" in the Installation/Connections manual.
- 14

BTM (Best Tuning Memory) button 9
- 15

DSPL (display mode change) button 7, 8, 9
- 16

OFF button* 7
- 17

SEEK/AMS +/- button
CD 7
RADIO 10

* Warning when installing in a car without an ACC (accessory) position on the ignition key switch
Be sure to press (OFF) on the unit for 2 seconds to turn off the clock display after turning off the engine.
Otherwise, the clock display does not turn off and this causes battery drain.

Precautions

- If your car was parked in direct sunlight, allow the unit to cool off before operating it.
- Power aerials will extend automatically while the unit is operating.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Moisture condensation

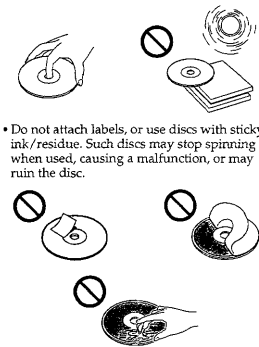
On a rainy day or in a very damp area, moisture condensation may occur inside the lenses and display of the unit. Should this occur, the unit will not operate properly. In such a case, remove the disc and wait for about an hour until the moisture has evaporated.

To maintain high sound quality

Be careful not to splash juice or other soft drinks onto the unit or discs.

Notes on discs

- To keep the disc clean, do not touch the surface. Handle the disc by its edge.
- Keep your discs in their cases or disc magazines when not in use. Do not subject the discs to heat/high temperature. Avoid leaving them in parked cars or on dashboards/rear trays.



- Do not attach labels, or use discs with sticky ink/residue. Such discs may stop spinning when used, causing a malfunction, or may ruin the disc.

- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- You cannot play 8 cm CDs.
- Before playing, clean the discs with a commercially available cleaning cloth. Wipe each disc from the centre out. Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analog discs.



continue to next page →

Notes on CD-R/CD-RW discs

- You can play CD-Rs (recordable CDs)/CD-RWs (rewritable CDs) designed for audio use on this unit.
Look for these marks to distinguish CD-Rs/CD-RWs for audio use.



These marks denote that a disc is not for audio use.



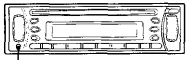
- Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
- You cannot play a CD-R/CD-RW that is not finalized*.

* A process necessary for a recorded CD-R/CD-RW disc to be played on the audio CD player.



Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.
Press the reset button with a pointed object, such as a ballpoint pen.



Reset button

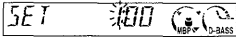
Note
Pressing the reset button will erase the clock setting and some stored contents.

Setting the clock

The clock uses a 12-hour digital indication.

Example: To set the clock to 10:08

- 1 Press **(DSPL)** for 2 seconds.
The hour indication flashes.



- 1 Press either side of the volume +/- button to set the hour.
2 Press **(SEL)**.
The minute indication flashes.
3 Press either side of the volume +/- button to set the minute.

- 2 Press **(DSPL)**.



The clock starts. After the clock setting is completed, the display returns to normal play mode.



Playing a disc

Insert the disc (labelled side up).



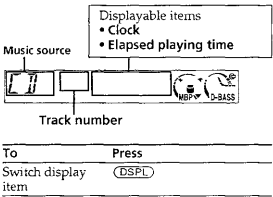
Playback starts automatically.

If a disc is already inserted, press **(SRC)** repeatedly until "CD" appears to start playback.

To	Press
Stop playback	(STOP) or (OFF)
Eject the disc	(EJECT)
Skip tracks	(SEEK/AMS) ((LEFT/RIGHT)) [once for each track]
Fast-forward / reverse	(SEEK/AMS) ((LEFT/RIGHT)) [hold to desired point]
Manual Search	(SEEK/AMS) ((LEFT/RIGHT)) [hold to desired point]

Note
When the last track on the disc is over, playback restarts from the first track of the disc.

Display items



Playing tracks repeatedly

— Repeat Play

The current track will repeat itself when it reaches the end.

During playback, press **(REP)** until "REP" indicator appears in the display. Repeat Play starts.

To return to normal play mode, press **(REP)** again.

Playing tracks in random order — Shuffle Play

You can select to play the tracks on the current disc in random order.

During playback, press **(SHUF)** until "SHUF" indicator appears in the display. Shuffle Play starts.

To return to normal play mode, press **(SHUF)** again.

7

8



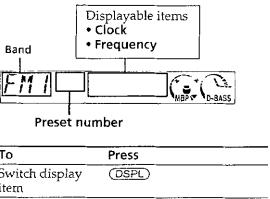
The unit can store up to 6 stations per band (FM1, FM2, FM3, AM1, and AM2).

Caution

When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

Display items

The following items can be displayed.



Storing stations automatically

— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals within the selected band, and stores them in the order of their frequency.

- 1 Press **(SRC)** repeatedly to select the radio.
2 Press **(MODE)** repeatedly to select the band.
3 Press **(BTM)** for 2 seconds.
The unit stores stations in the order of their frequencies on the number buttons. A beep sounds when the setting is stored.

Notes
• If only a few stations can be received due to weak signals, some number buttons will retain their former settings.
• When a number is indicated in the display, the unit starts storing stations from the one currently displayed.

Receiving the stored stations

- 1 Press **(SRC)** repeatedly to select the radio.
2 Press **(MODE)** repeatedly to select the band.
3 Press the number button (**(1)** to **(6)**) on which the desired station is stored.

If preset tuning does not work — Automatic tuning/ Local Seek Mode

Automatic tuning:

Press either side of **(SEEK/AMS)** to search for the station. Scanning stops when the unit receives a station. Press either side of **(SEEK/AMS)** repeatedly until the desired station is received.

Local Seek Mode:

If the automatic tuning stops too frequently, press **(SENS)** repeatedly until "LCL" indicator appears.



"LCL" indicator is displayed.

Only the stations with relatively strong signals will be tuned in.

Tip
If you know the frequency of the station you want to listen to, press either side of **(SEEK/AMS)** until the desired frequency appears (manual tuning).

If FM stereo reception is poor

— Monaural Mode

During radio reception, press **(SENS)** repeatedly until "MONO" indicator appears.



"MONO" indicator is displayed.

The sound improves, but becomes monaural ("ST" disappears).

To return to normal, press **(SENS)** again.

Storing only the desired stations

You can manually preset the desired stations on any chosen number button.

- 1 Press **(SRC)** repeatedly to select the radio.
2 Press **(MODE)** repeatedly to select the band.
3 Press either side of **(SEEK/AMS)** to tune in the station that you want to store.
4 Press the desired number button (**(1)** to **(6)**) until "MEM" appears. The number button indication appears in the display.

Note
If you try to store another station on the same number button, the previously stored station will be erased.

9

10

Other Functions

Adjusting the sound characteristics

You can adjust the bass, treble, balance, and fader. The bass and treble levels can be stored independently for each source.

- 1 Select the item you want to adjust by pressing **(SEL)** repeatedly. Each time you press **(SEL)**, the item changes as follows:
BAS (bass) → TRE (treble) → BAL (left-right) → FAD (front-rear)
- 2 Adjust the selected item by pressing either side of the volume +/- button.

Note
Adjust within 3 seconds after selecting the item.

Quickly attenuating the sound

Press **(ATT)**.
"ATT" appears in the display.
To restore the previous volume level, press **(ATT)** again.

Canceling the beep sound

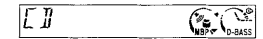
Press **(B)** while pressing **(SEL)** down.
To activate the beep sound again, press these buttons again.
Note
If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

Selecting the sound position

— My Best sound Position (MBP)
When you drive without passengers, you can enjoy the most comfortable sound environment with "My Best sound Position." "My Best sound Position" has two presets, which adjust the sound level of balance and fader. You can select one very easily with the MBP button.

Display window	Balance Level		Fader Level	
	Right	Left	Front	Rear
MBP-A	~ 4dB	0	0	~ 4dB
MBP-B	0	~ 4dB	0	~ 4dB
MBP-OFF	0	0	0	0

Press **(MBP)** repeatedly for the desired listening position.
The mode of "My Best sound Position" is shown in the display in order of the table.

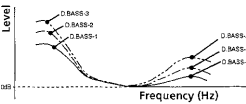


If you want to adjust the sound level of balance and fader more precisely, you can do it using the **(SEL)** button(see "Adjusting the sound characteristics").

- Notes
- When the BAL (balance) or FAD (fader) in "Adjusting the sound characteristics" is adjusted, the MBP setting returns OFF.
 - When MBP is set to OFF, the BAL and FAD setting is activated.

Boosting the bass sound

— D-bass
You can enjoy a clear and powerful bass sound. The D-bass function boosts the low frequency signal and high frequency signal with a sharper curve than conventional bass boost.
You can hear the bass line more clearly even while the vocal volume remains the same. You can emphasize and adjust the bass sound easily with the **(D)** (D-BASS) button.



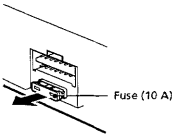
Adjusting the bass curve
Press **(D)** (D-BASS) repeatedly to select the desired bass curve.
As the D-BASS number increases so does the effect.

Note
The bass sound may distort at same volume. If the bass sound distorts, select less effective bass curve.

Additional Information

Maintenance

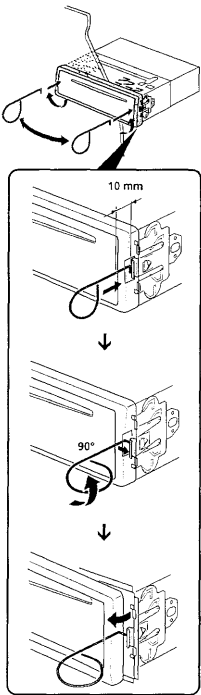
Fuse replacement
When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.



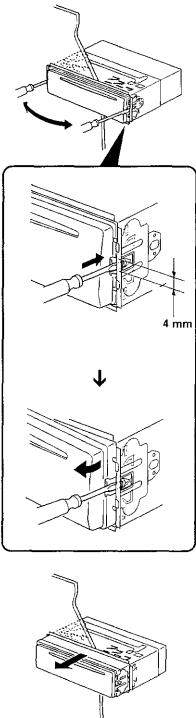
Warning
Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

Removing the unit

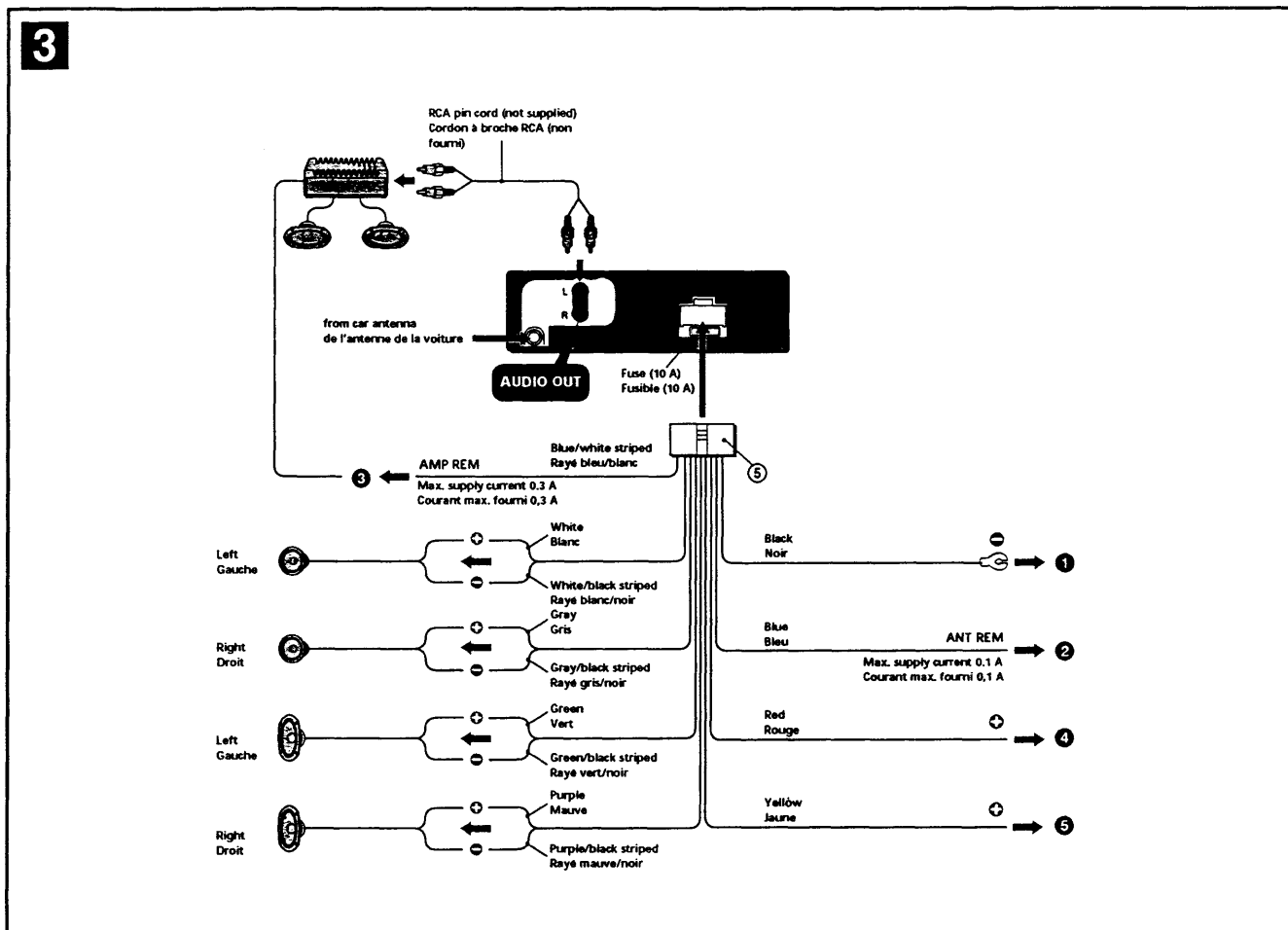
- 1 Insert the supplied tool between the unit and the frame, and rotate 90° to release the hidden mounting spring. Repeat on the opposite side and remove the frame.



- 2 Insert a flathead screwdriver between the bracket and mounting spring. Gently pry the spring toward the unit while pulling the unit out a little. Repeat on the opposite side and remove the unit.



• Connections (L300)



Connection diagram (3)

- To a metal surface of the car
First connect the black ground lead, then connect the yellow and red power input leads.
- To the power antenna control lead or power supply lead of antenna booster amplifier
Notes
 - It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.
 - When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."
- To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.
- To the +12 V power terminal which is energized in the accessory position of the ignition key switch
Notes
 - If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black ground to it first.
 - When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."
- To the +12 V power terminal which is energized at all times
Be sure to connect the black ground to it first.

Notes on the control and power supply leads

- The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner.
- When your car has built-in FM/AM antenna in the rear/side glass, connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.
- A power antenna without relay box cannot be used with this unit.

Memory hold connection

When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

Notes on speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.
- Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.
- Do not connect the ground lead of this unit to the negative (-) terminal of the speaker.
- Do not attempt to connect the speakers in parallel.
- Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.

Schémas de connexion (3)

- à un point métallique de la voiture
Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation jaune et rouge.
- vers le fil de commande de l'antenne électrique ou le fil d'alimentation de l'amplificateur d'antenne
Remarque
 - Il n'est pas nécessaire de raccorder ce fil s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.
 - Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, voir "Remarques sur les fils de commande et d'alimentation".
- pour effectuer le raccordement à AMP REMOTE IN de l'amplificateur de puissance en option
Cette connexion s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.
- à la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires
Remarque
 - S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est en permanence sous tension. Raccordez d'abord le fil de masse noir.
 - Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, voir "Remarques sur les fils de commande et d'alimentation".
- à la borne +12 V qui est alimentée en permanence
Raccordez d'abord le fil de masse noir.

Remarques sur les fils de commande et d'alimentation

- Le fil de commande de l'antenne électrique (bleu) fournit une alimentation de +12 V CC lorsque vous mettez l'appareil sous tension.
- Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, vous devez raccorder le fil de commande d'antenne électrique (bleu) ou le fil d'entrée d'alimentation d'accessoire (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre revendeur.
- Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.

Connexion pour la conservation de la mémoire
Lorsque le fil d'entrée d'alimentation jaune est raccorder, le circuit de la mémoire est alimenté en permanence, même si la clé de contact est sur la position d'arrêt.

Remarques sur la connexion des haut-parleurs

- Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
- Utiliser des haut-parleurs ayant une impédance de 4 à 8 ohms et une capacité adéquate sous peine de les endommager.
- Ne pas raccorder pas les bornes du système de haut-parleur au châssis de la voiture, et ne pas connecter les bornes du haut-parleur droit à celles du haut-parleur gauche.
- Ne raccordez pas le câble de masse de cet appareil à la borne négative (-) de l'enceinte.
- Ne pas tenter de raccorder les haut-parleurs en parallèle.
- Ne pas connecter de haut-parleurs actifs (équipés d'un amplificateur intégré) aux bornes de haut-parleur de l'appareil. Les haut-parleurs actifs risquent sinon d'être endommagés. Veillez par conséquent à raccorder des haut-parleurs passifs à ces bornes.

4 1

2

3

4

5 A TOYOTA

B NISSAN

Precautions

- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperatures, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 60°.

Reset button

When the installation and connections are completed, be sure to press the reset button with a ball-point pen, etc.



Precautions

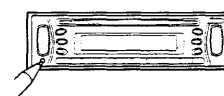
- Choisir soigneusement l'emplacement d'installation pour que l'appareil ne gêne pas le chauffeur pendant la conduite.
- Éviter d'installer l'appareil dans un endroit exposé à des températures élevées, comme en plein soleil ou à proximité d'une bouche d'air chaud, ou à de la poussière, saleté ou vibrations violentes.
- Pour garantir un montage sûr, n'utiliser que le matériel fourni.

Réglage de l'angle de montage

Ajuster l'inclinaison à un angle inférieur à 60°.

Touche de réinitialisation

Quand l'installation et les connexions sont terminées, appuyer sur la touche de réinitialisation avec un stylo à bille, etc.



Mounting example (4)

Installation in the dashboard

Mounting the unit in a Japanese car (5)

You may not be able to install this unit in some makes of Japanese cars. In such a case, consult your Sony dealer.

Note
To prevent malfunction, install only with the supplied screws ③.

Warning when installing in a car without ACC (accessory) position on the ignition key switch

Be sure to press **OFF** on the unit for two seconds to turn off the clock display after turning off the engine.

When you press **OFF** only momentarily, the clock display does not turn off and this causes battery wear.

Exemple de montage (4)

Installation dans le tableau de bord

Installation de l'appareil dans une voiture japonaise (5)

Cet appareil ne peut pas être installé dans certaines voitures japonaise. Consultez, dans ce cas, votre concessionnaire Sony.

Remarque
Pour éviter tout dysfonctionnement, utilisez uniquement les vis ③ pour le montage.

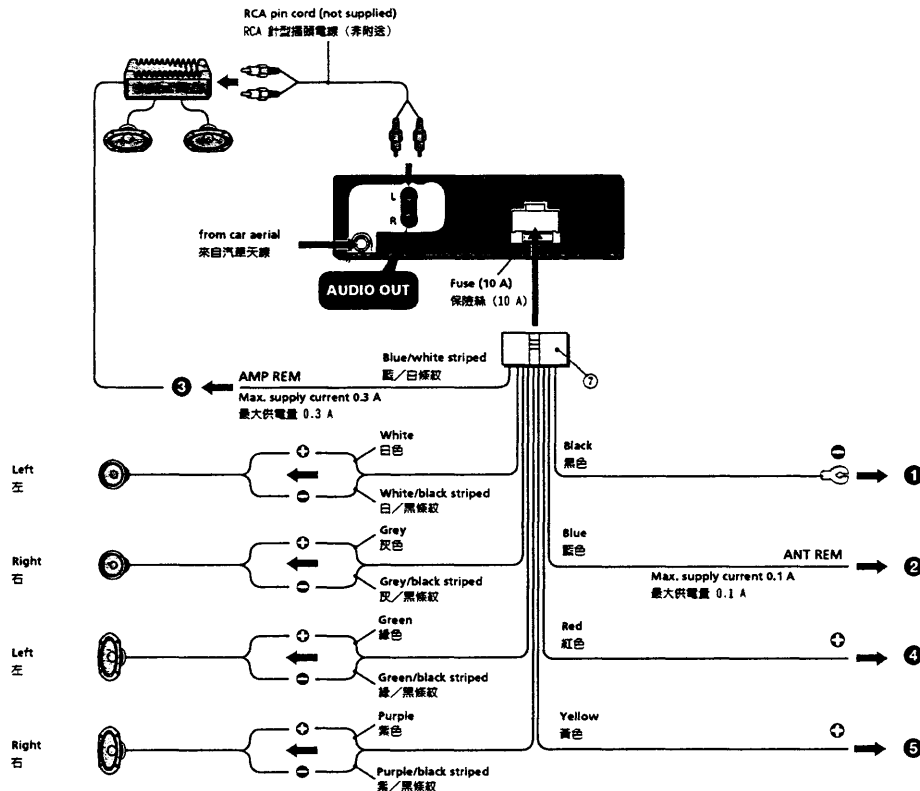
Avertissement en cas d'installation dans une voiture dont le contact ne comporte pas de position ACC (accessoires)

N'oubliez pas d'appuyer sur le bouton **OFF** de l'appareil pendant deux secondes après avoir coupé le moteur de façon à désactiver l'affichage de l'horloge.

Si vous appuyez brièvement sur **OFF**, l'affichage de l'horloge n'est pas désactivé, ce qui provoque une usure de la batterie.

• Connections (L460X)

3



Connection diagram (3)

- To a metal surface of the car.
First connect the black earth lead, then connect the yellow and red power input leads.
- To the power aerial control lead or power supply lead of aerial booster amplifier.
Notes:
• It is not necessary to connect this lead if there is no power aerial or aerial booster, or with a manually-operated telescopic aerial.
• When your car has a built-in FM/AM aerial in the rear side glass, see "Notes on the control and power supply leads."
- To AMP REMOTE IN of an optional power amplifier.
This connection is only for amplifiers. Connecting any other system may damage the unit.
- To the +12 V power terminal which is energised in the accessory position of the ignition key switch.
Notes:
• If there is no accessory position, connect to the +12 V power (battery) terminal which is energised at all times.
• When your car has a built-in FM/AM aerial in the rear side glass, see "Notes on the control and power supply leads."
- To the +12 V power terminal which is energised at all times.
Be sure to connect the black earth to it first.

Notes on the control and power supply leads

- The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner.
- When your car has built-in FM/AM aerial in the rear side glass, connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.
- A power aerial without relay box cannot be used with this unit.

Memory hold connection

When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

Notes on speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.
- Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.
- Do not connect the ground lead of this unit to the negative (-) terminal of the speaker.
- Do not attempt to connect the speakers in parallel.
- Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.

線路連接圖 (3)

- 至汽車的金屬部位
首先連接黑色接地導線，然後再連接黃色和紅色電源輸入導線。
- 至電動天線控制導線或天線升壓放大器的電源導線
註：
• 如無電動天線、增壓器，或用手操作的塞管式天線，便不須連接此導線。
• 您的汽車的後/側玻璃窗中如果內裝有 FM/AM (MW/SW) 天線，即請參看“控制和電源線須知”。
- 至選購的功率放大器的 AMP REMOTE IN (放大器遙控輸入)
本連接僅用於放大器。連接任何其它系統可能會損壞本機。
- 至在點火開關的輔助位置上通電的 +12 V 電源端子
註：
• 若沒有輔助位置，則請連接至常時通電的 +12 V 電源（電池）端子。
請請首先將黑色接地導線與其連接。
• 您的汽車的後/側玻璃窗中如果內裝有 FM/AM (MW/SW) 天線，即請參看“控制和電源線須知”。
- 至隨時都通電的 +12 V 電源端子
請請首先將黑色接地導線與其連接。

控制和電源線須知

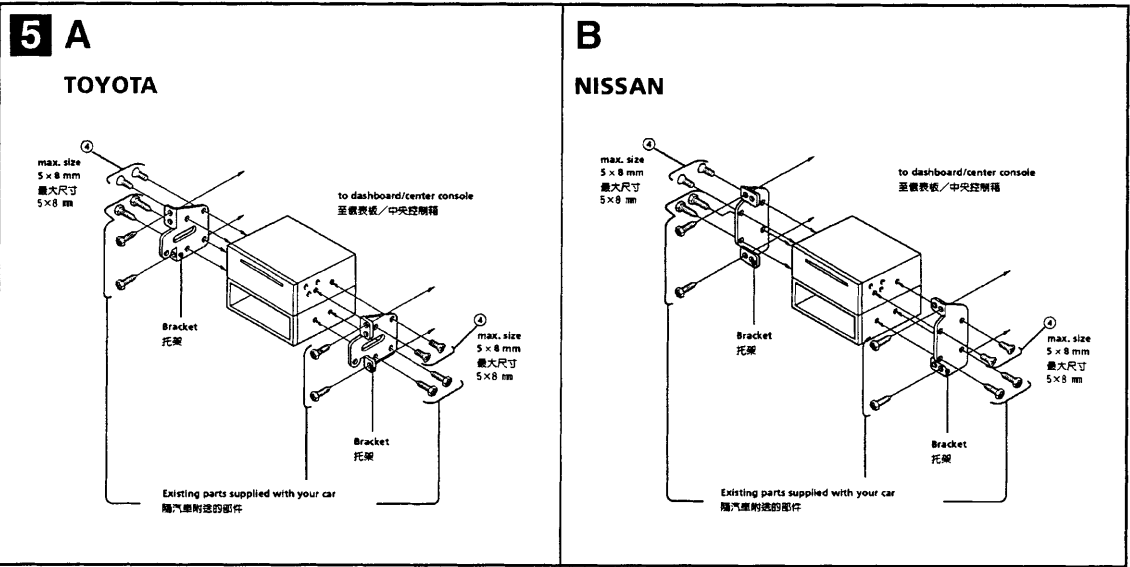
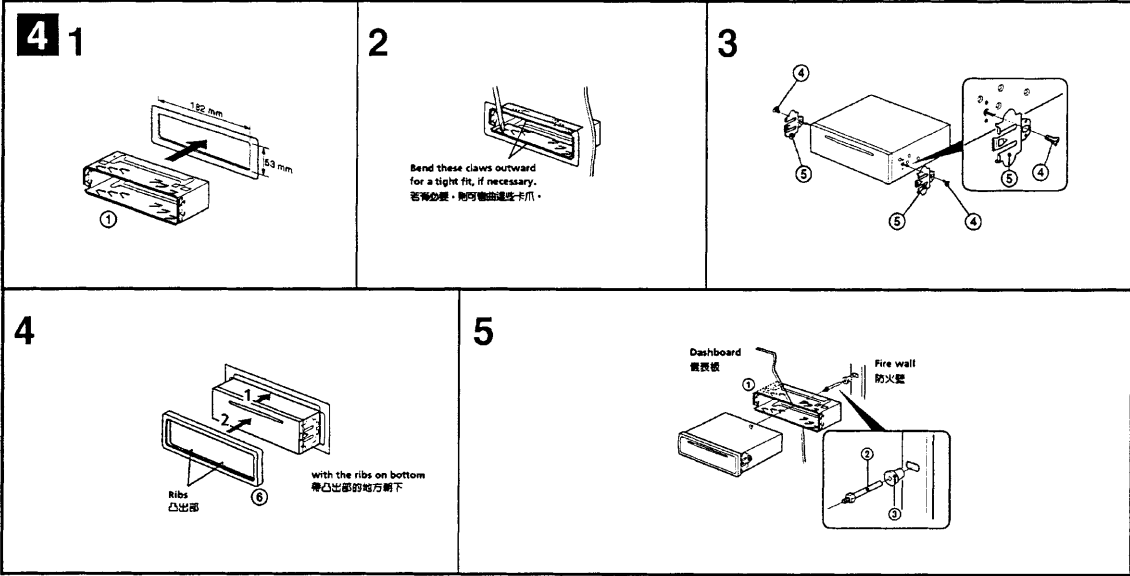
- 接過調諧器電源時，電動天線的控制導線（藍色）便能提供 +12 V 直流電。
- 若您的汽車後/側玻璃窗上有內置 FM/AM (MW/SW) 天線，須將電動天線控制導線（藍色）或輔助電源輸入導線（紅色）連接至現有天線放大器上的電源端子上。詳細內容請向銷售商諮詢。
- 本機不能使用不具備電阻的電動天線。

保持記憶的線路連接法

當連接好黃色電源輸入導線時，即使汽車發動機熄火離匙控制電路切斷之際，電源仍繼續將電流供給記憶電路，以保持所記憶的數據。

連接揚聲器時的注意事項

- 連接揚聲器電線以前，請先切斷本機電源。
- 使用阻抗為 4-8 Ω 且具有充分功率處理容量的揚聲器，以免損壞揚聲器。
- 不要將揚聲器端子連接到汽車底盤上或將右揚聲器端子與左揚聲器端子相連接。
- 切勿將本機的接地導線連接到揚聲器的負 (-) 接線柱。
- 揚聲器不可平行連接。
- 請僅連接到揚聲器端子，若將有源揚聲器（帶內置放大器）連接到揚聲器端子上會損壞本機。



Precautions

- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperatures, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 60°.

Warning when installing in a car without ACC (accessory) position on the ignition key switch

Be sure to press **OFF** on the unit for two seconds to turn off the clock display after turning off the engine.

When you press **OFF**, only momentarily, the clock display does not turn off and this causes battery wear.

RESET button

When the installation and connections are completed, be sure to press the reset button with a ballpoint pen, etc.

Frequency select switch

The AM (FM) tuning interval is factory-set to the 10 k (200 k) position. If the frequency allocation system of your country is based on 9 kHz (50 kHz) interval, set the switch on the bottom of the unit to the 9 k (50 k) position before making connections.

Mounting example (4)

Installation in the dashboard

Mounting the unit in a Japanese car (5)

You may not be able to install this unit in some makes of Japanese cars. In such a case, consult your Sony dealer.

Note

To prevent malfunction, install only with the supplied screws ①.

使用前注意事項

- 本機應放在不影響駕駛安全之處。
- 避免將本機放在高溫之處，如陽光直接照射、暖氣機前、或灰塵過多、多震、以及容易震動等地方。
- 為了安全起見，安裝時請使用附送的零件。

安裝角度之調整

請在 60 度以內調整安裝角度。

頻率選擇開關

AM (FM) 調頻開關在出廠前被設定在 10 k (200 k) 位置上，若貴國的頻帶分配系統是以 9 kHz (50 kHz) 間隔為基礎的，連接前，請將本機底部上的開關設定在 9 k (50 k) 位置上。

安裝示例 (4)

安裝在儀表板裡

將本機安裝於日本產汽車上時 (5)

有的日本產汽車不能安裝本機，在這種情形下，請您向當地的 Sony 經銷商諮詢。

註

為防止發生故障，安裝時只能使用附送的螺絲 ①。

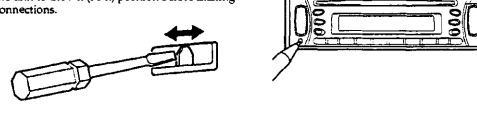
安裝在點火鑰匙開關上沒有 ACC (輔助) 位置的汽車上時的警告

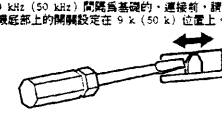
在關掉汽車引擎之後，一定請按下機器上的 **OFF** 兩秒以關掉時鐘顯示。


如果只短暫地按一下 **OFF**，將不會關掉時鐘顯示而浪費電力。

復位按鈕

當安裝和連接完成後，務請用圓珠筆等按壓復位按鈕。

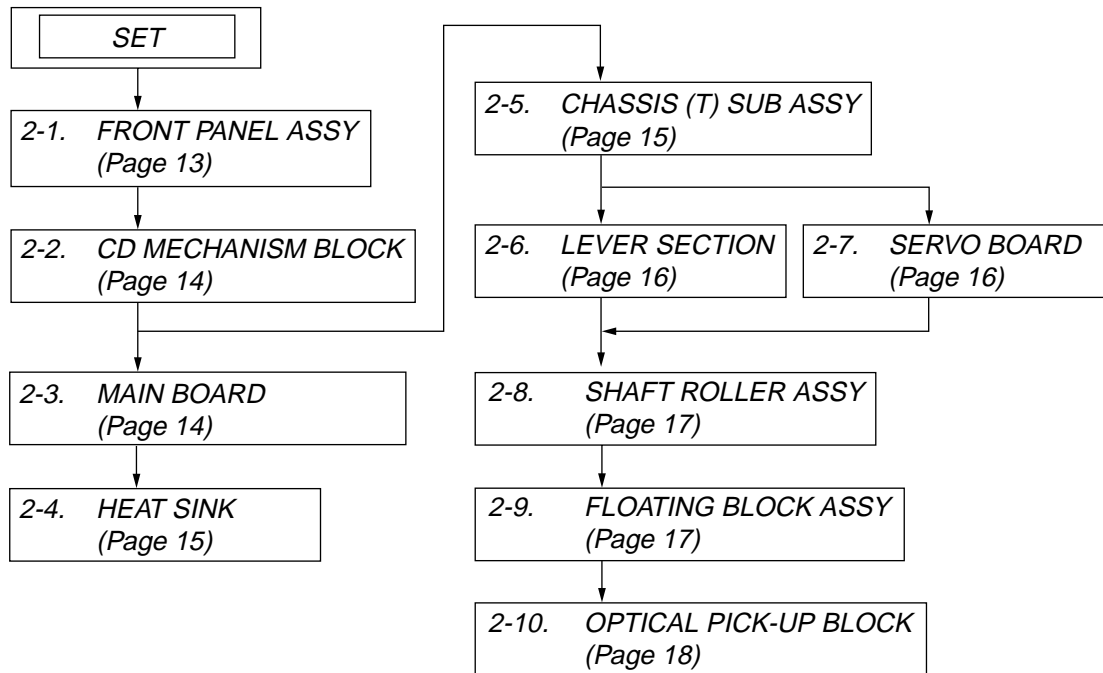






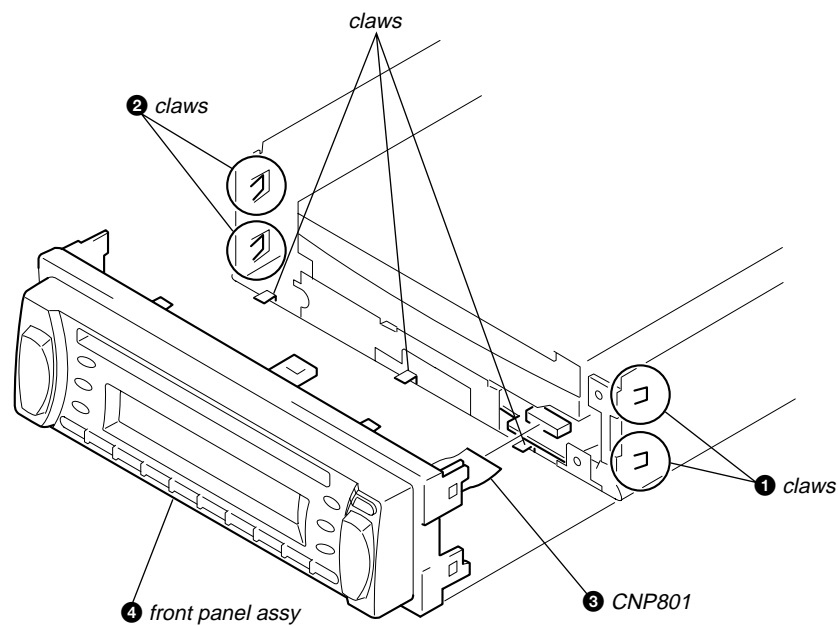
SECTION 2 DISASSEMBLY

Note : This set can be disassemble according to the following sequence.

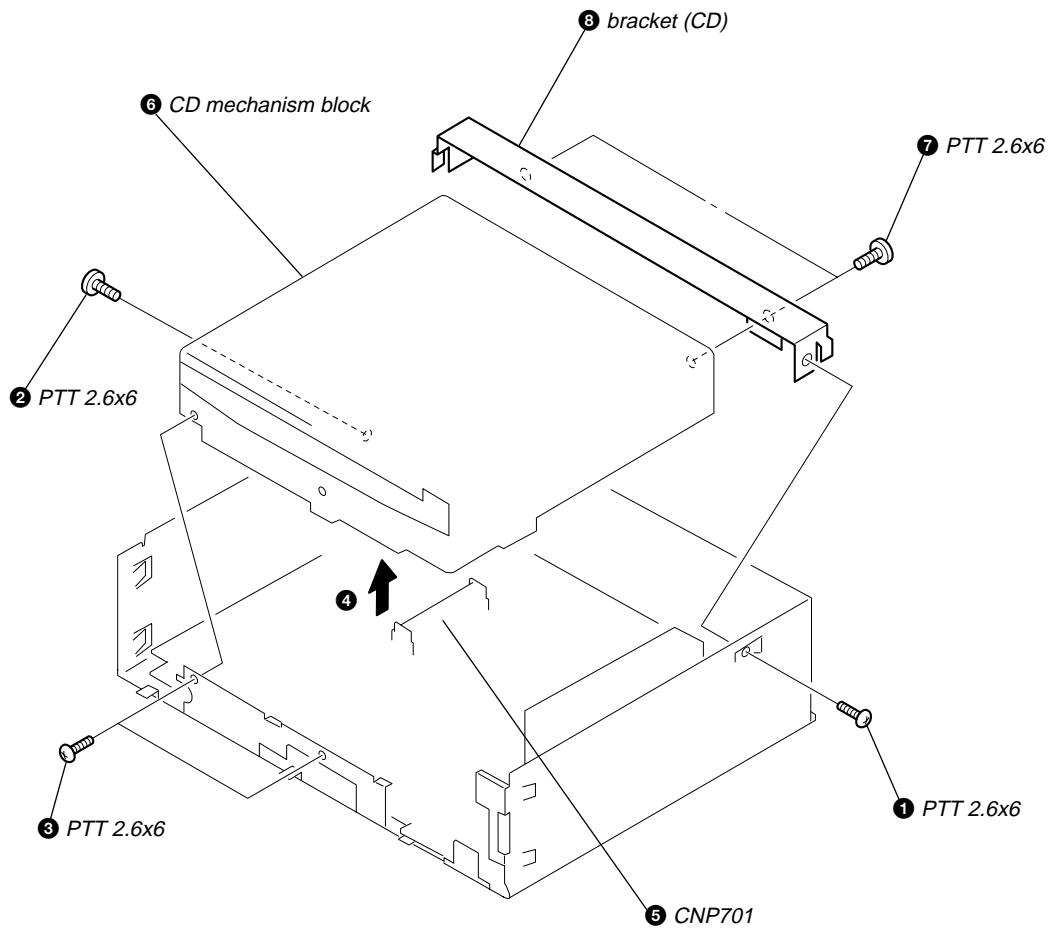


Note : Follow the disassembly procedure in the numerical order given.

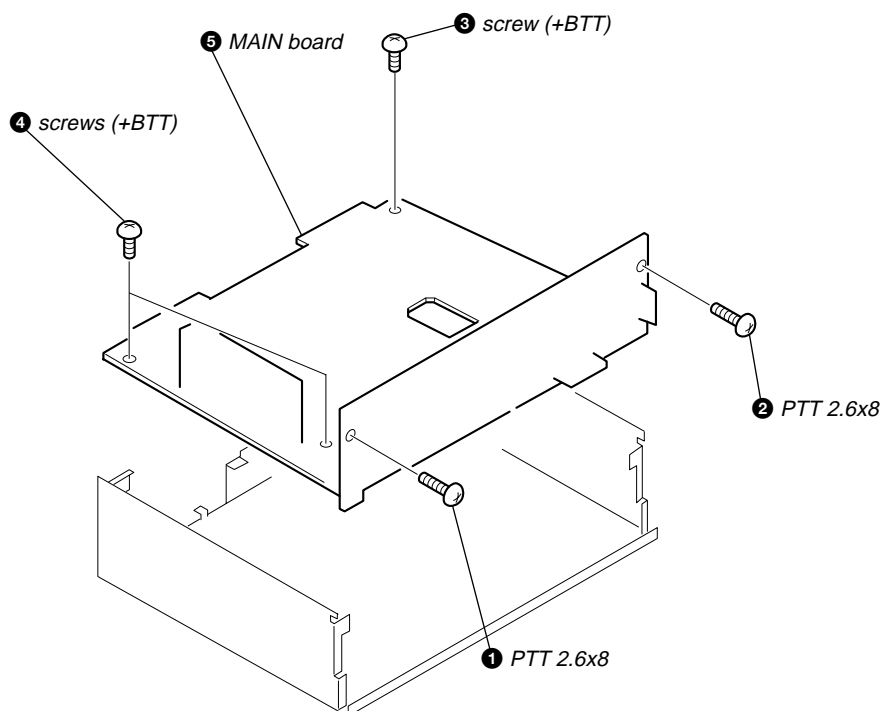
2-1. FRONT PANEL ASSY



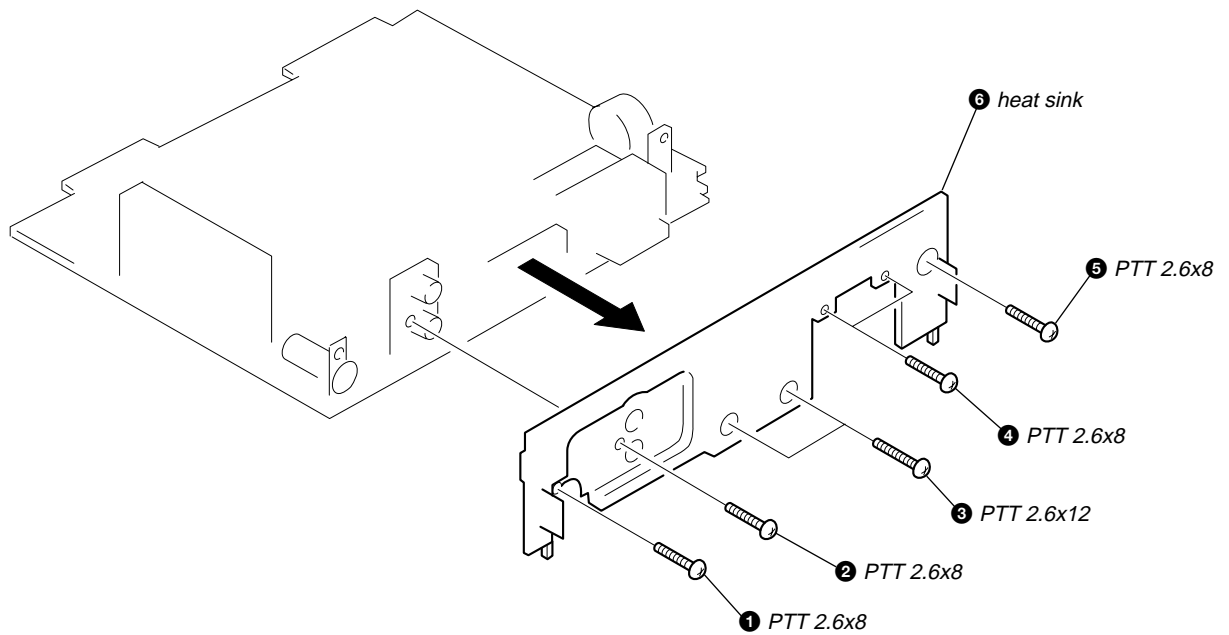
2-2. CD MECHANISM BLOCK



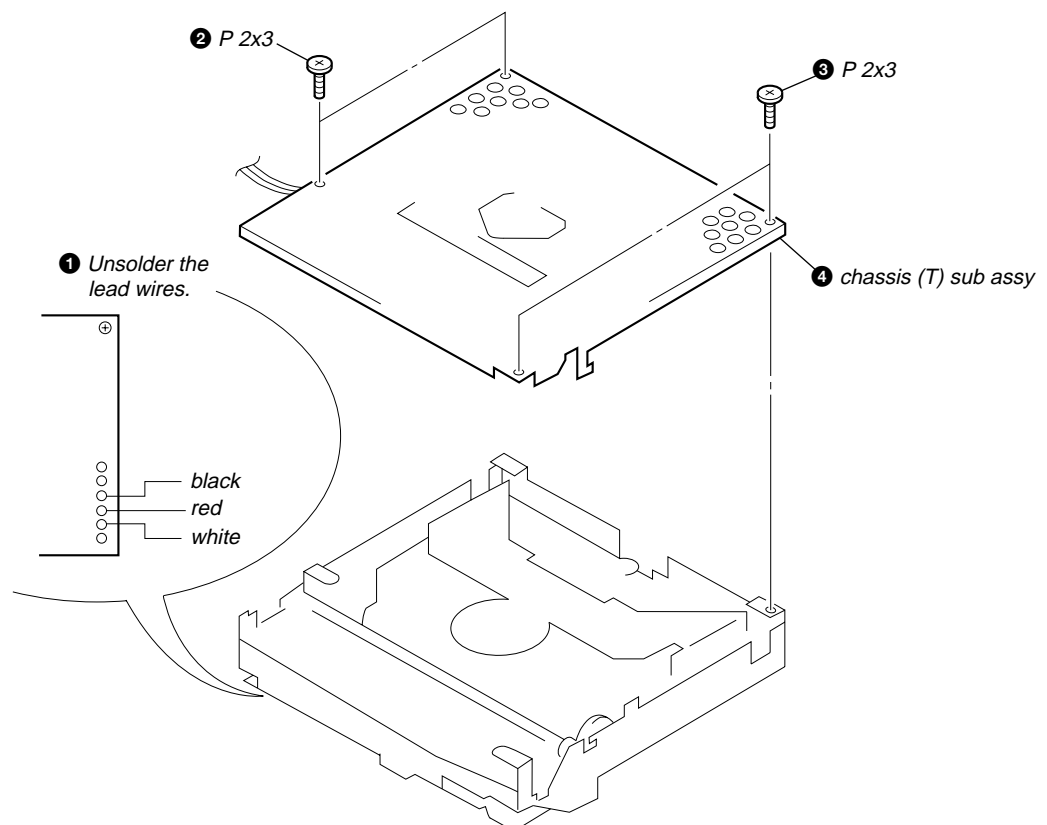
2-3. MAIN BOARD



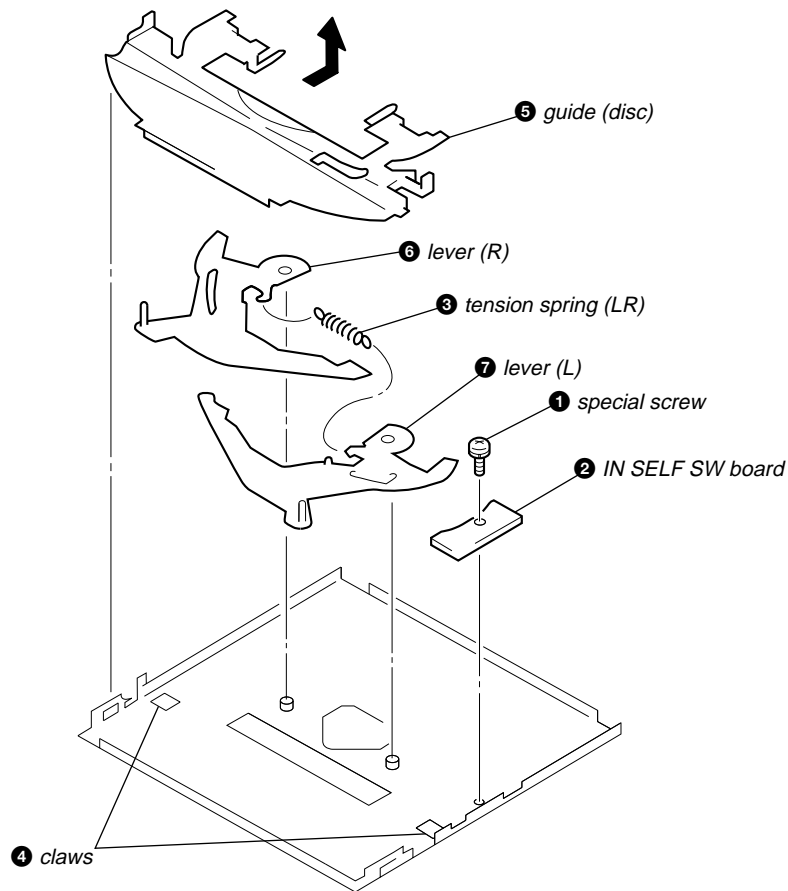
2-4. HEAT SINK



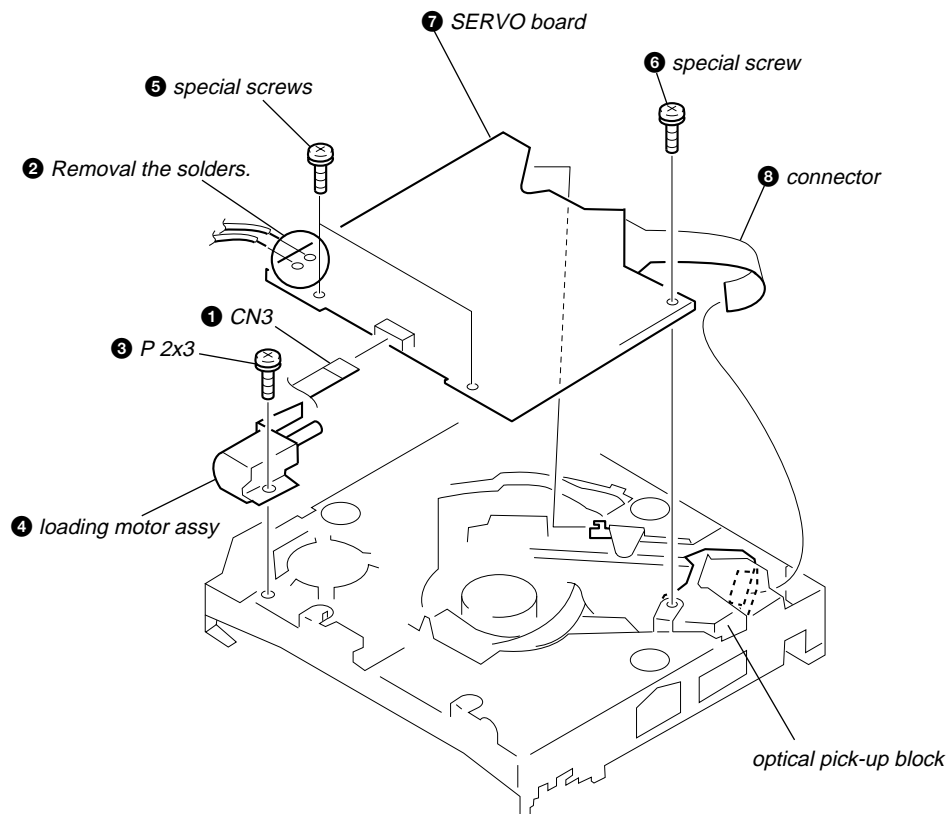
2-5. CHASSIS (T) SUB ASSY



2-6. LEVER SECTION

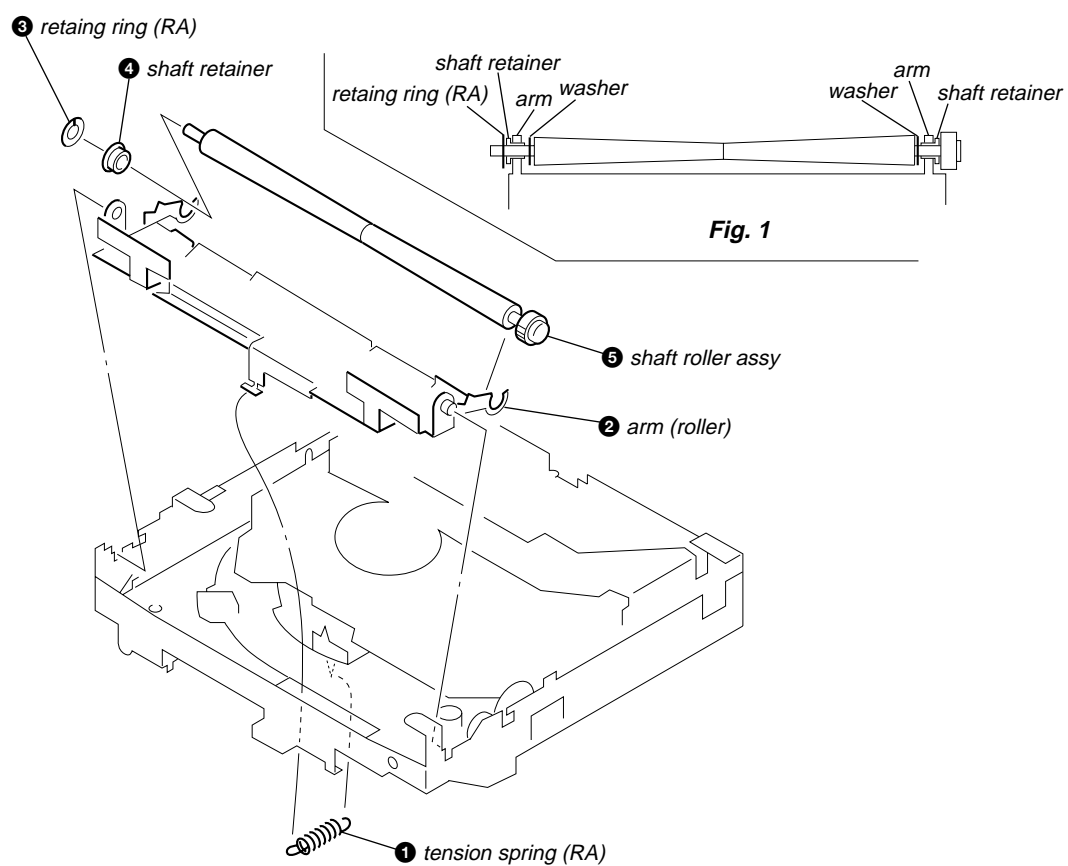


2-7. SERVO BOARD

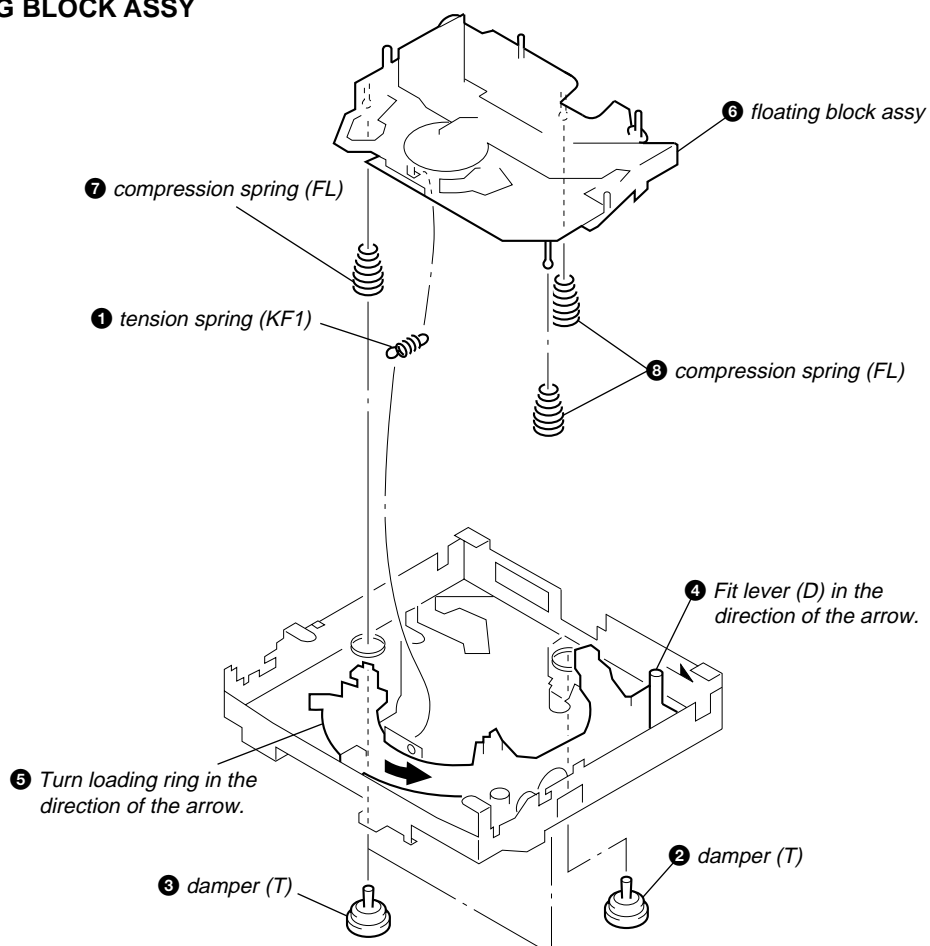


2-8. SHAFT ROLLER ASSY

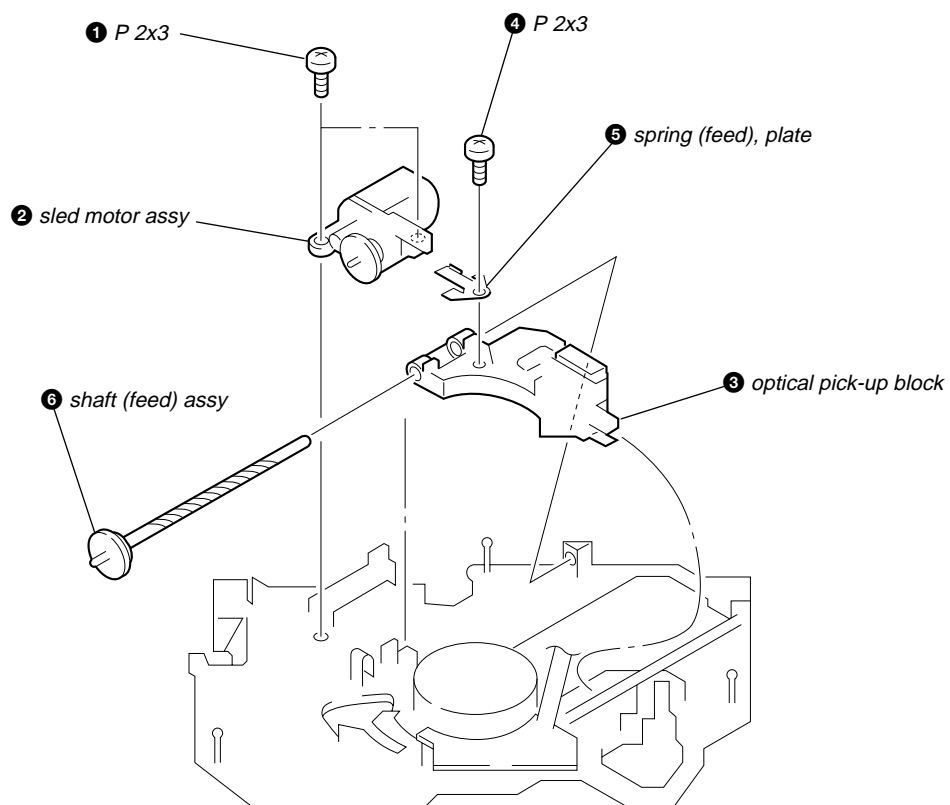
- When installing, take note of the positions arm (roller) and washers. (Fig. 1)



2-9. FLOATING BLOCK ASSY



2-10. OPTICAL PICK-UP BLOCK



SECTION 3 DIAGRAMS

3-1. IC PIN DESCRIPTION

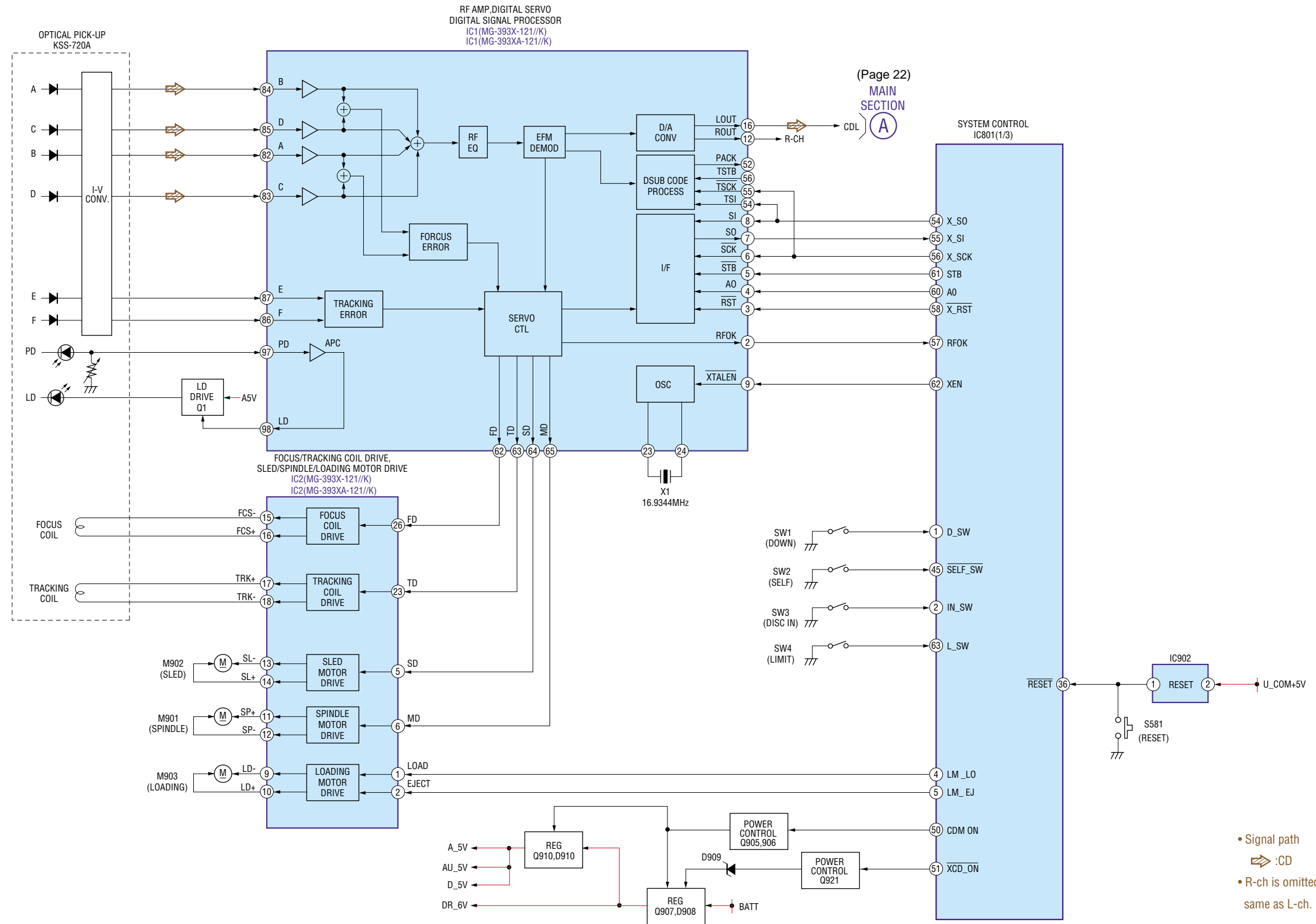
• IC801 μ PD780024AGK-B40-9ET (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Pin Description
1	D SW	I	Down switch detection input
2	IN SW	I	Disc in switch detection input
3	PH3	I	PH3 detection input (Not used in this set)
4	LM LD	O	Loading motor drive output (Loading)
5	LM EJ	O	Loading motor drive output (Eject)
6	$\overline{\text{A ATT}}$	O	Power amplifier mute control output
7	ATT	O	Line out mute control output
8	BEEP	O	BEEP output
9	VSSO	—	Ground
10	VDDO	—	Power supply pin (+5 V)
11	VOL CLK	O	Electric volume clock output
12	VOL DO	O	Electric volume data out output
13	VOL CE	O	Electric volume chip enable output
14	AM ON	O	Tuner AM power supply control output
15	FM ON	O	Tuner FM power supply control output
16	$\overline{\text{NOSE}}$	I	Front panel attachment detection input
17	PLL DI	I	PLL IC data input
18	LCD DO	O	LCD data output
19	LCD CE	O	LCD chip enable output
20	LCD CLK	O	LCD clock output
21	PLL CLK	O	PLL IC clock output
22	PLL DO	O	PLL IC data output
23	PLL CE	O	PLL IC chip enable output
24	VDD1	—	Power supply pin (+5 V)
25	AVSS	—	Ground
26	ST IND	I	FM STEREO detection input
27	FUN SEL	I	Function select input
28	S METER	I	S meter signal input
29, 30	KEY0, 1	I	A/D key input 0, 1
31	TEL ATT	I	Attenuator signal input
32	DST SEL	I	Destination select input
33	$\overline{\text{TEST}}$	I	Force test mode input
34	AVREF	—	A/D converter power supply pin (+5 V)
35	AVDD	—	A/D converter power supply pin (+5 V)
36	$\overline{\text{RESET}}$	I	Reset input
37	XT2	O	Sub clock output (32.768 kHz)
38	XT1	I	Sub clock input (32.768 kHz)
39	IC	—	Connect to Ground in this set.
40	X2	O	Master clock output (8.38 MHz)
41	X1	I	Master clock input (8.38 MHz)
42	VSS1	—	Ground
43	KEY ACK	I	Key acknowledge detection input
44	SIRCS	I	SIRCS input
45	$\overline{\text{SELF SW}}$	I	Self switch detection input
46	$\overline{\text{BU IN}}$	I	Backup power supply detection input
47	AD ON	O	Key power supply control output
48	ILL ON	O	Illumination power supply control output
49	AMP ON	O	Amplifier remote power supply control output
50	CDM ON	O	CD mechanism deck power supply control output
51	$\overline{\text{XCD ON}}$	O	CD DSP IC 16 MHz X'tal ON/OFF control output
52	TU ON	O	Tuner power supply control output

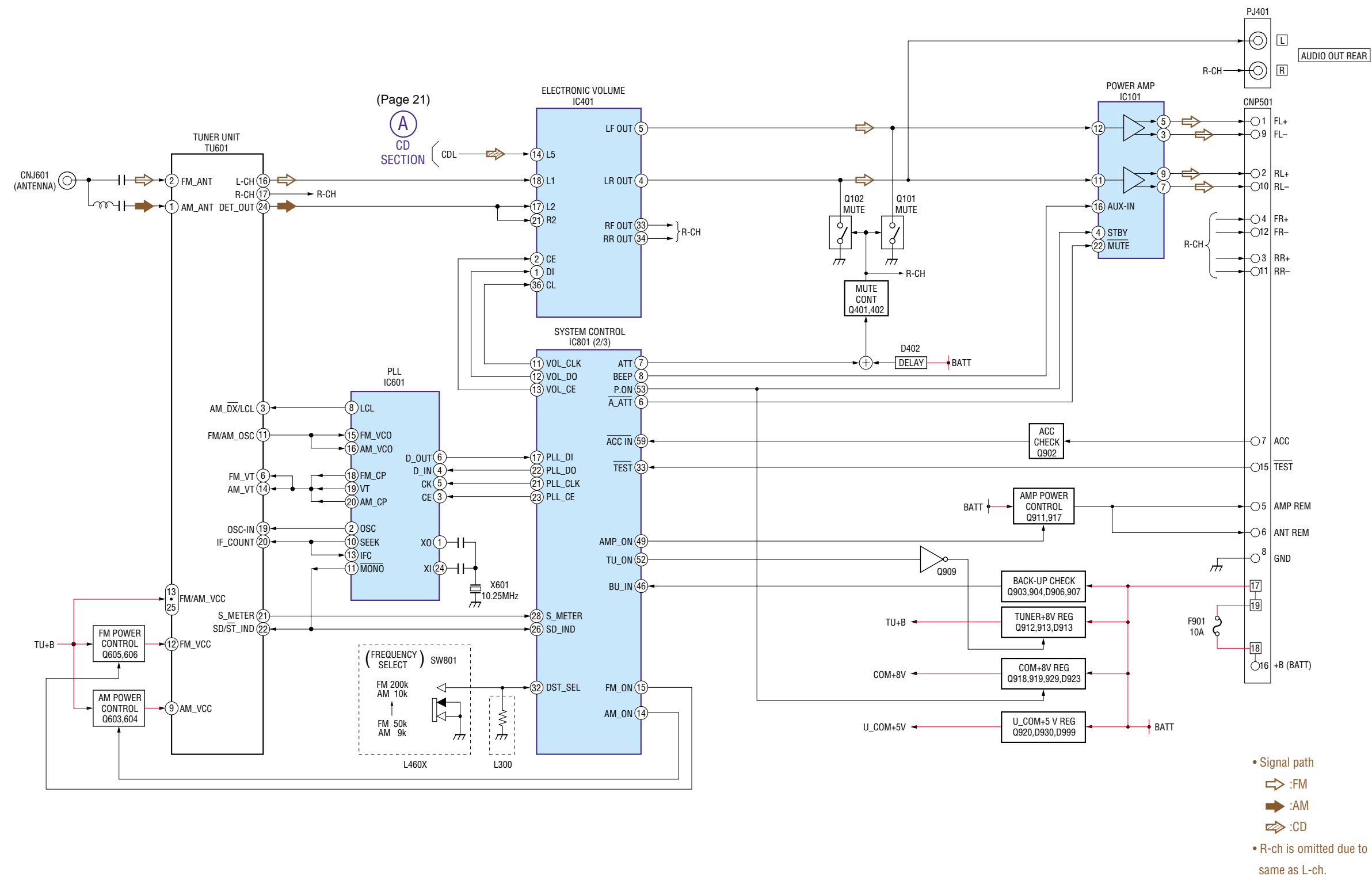
CDX-L300/L460X

Pin No.	Pin Name	I/O	Pin Description
53	P.ON	O	System power supply control output
54	X SO	O	CD DSP IC serial data output
55	X SI	I	CD DSP IC serial data input
56	X SCK	O	CD DSP IC serial clock output
57	RFOK	I	CD servo IC RFOK signal input
58	$\overline{\text{X RST}}$	O	CD DSP IC reset control output
59	$\overline{\text{ACC IN}}$	I	Accessory power supply detection input
60	AO	O	CD servo IC command/pallameter discrimination signal output
61	STB	O	CD servo IC data strobe signal output
62	XEN	O	CD DSP IC X'tal control output
63	L SW	I	Limit switch detection input
64	PH1	I	PH1 detection input (Not used in this set)

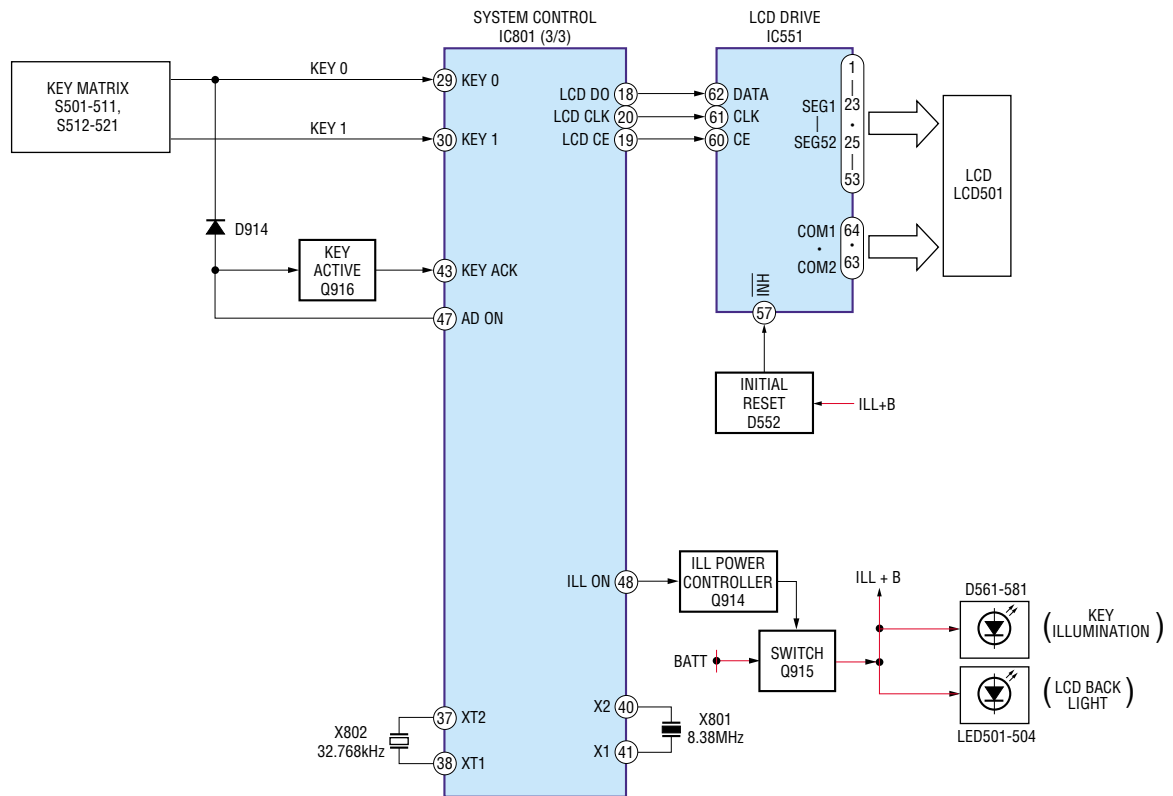
3-2. BLOCK DIAGRAM — CD SECTION —



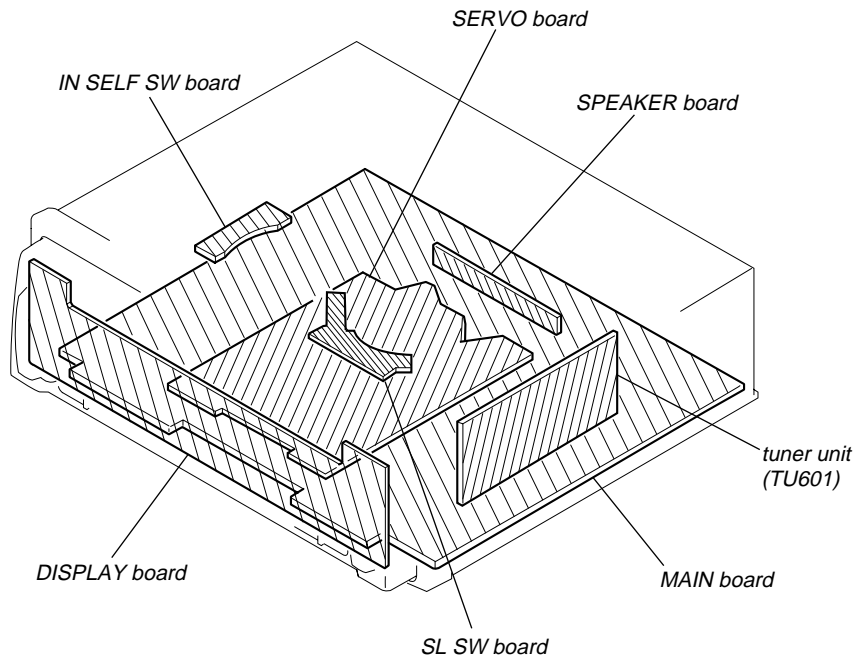
3-3. BLOCK DIAGRAM — TUNER SECTION —



3-4. BLOCK DIAGRAM — DISPLAY SECTION —

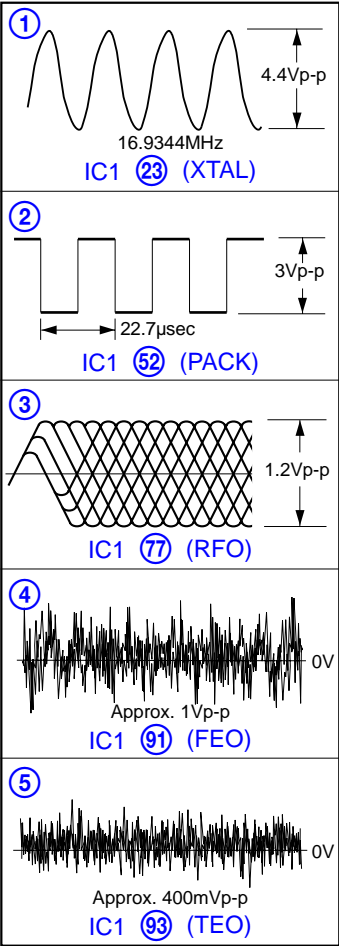


3-5. CIRCUIT BOARDS LOCATION



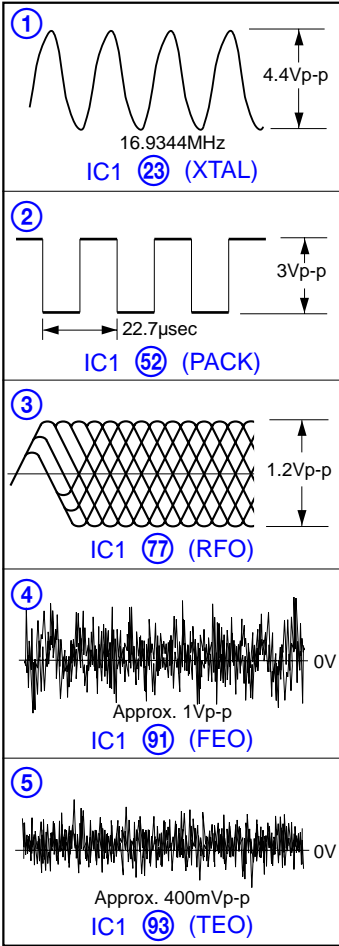
• Waveforms

— Servo Board —
(MG-393X-121//K)
(MODE: CD PLAY)

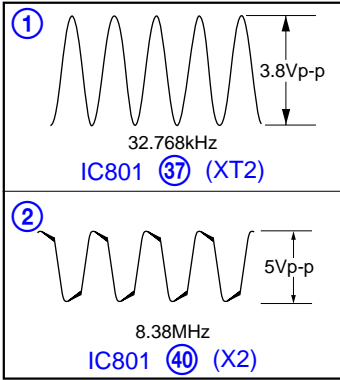


• Waveforms

— Servo Board —
(MG-393XA-121//K)
(MODE: CD PLAY)



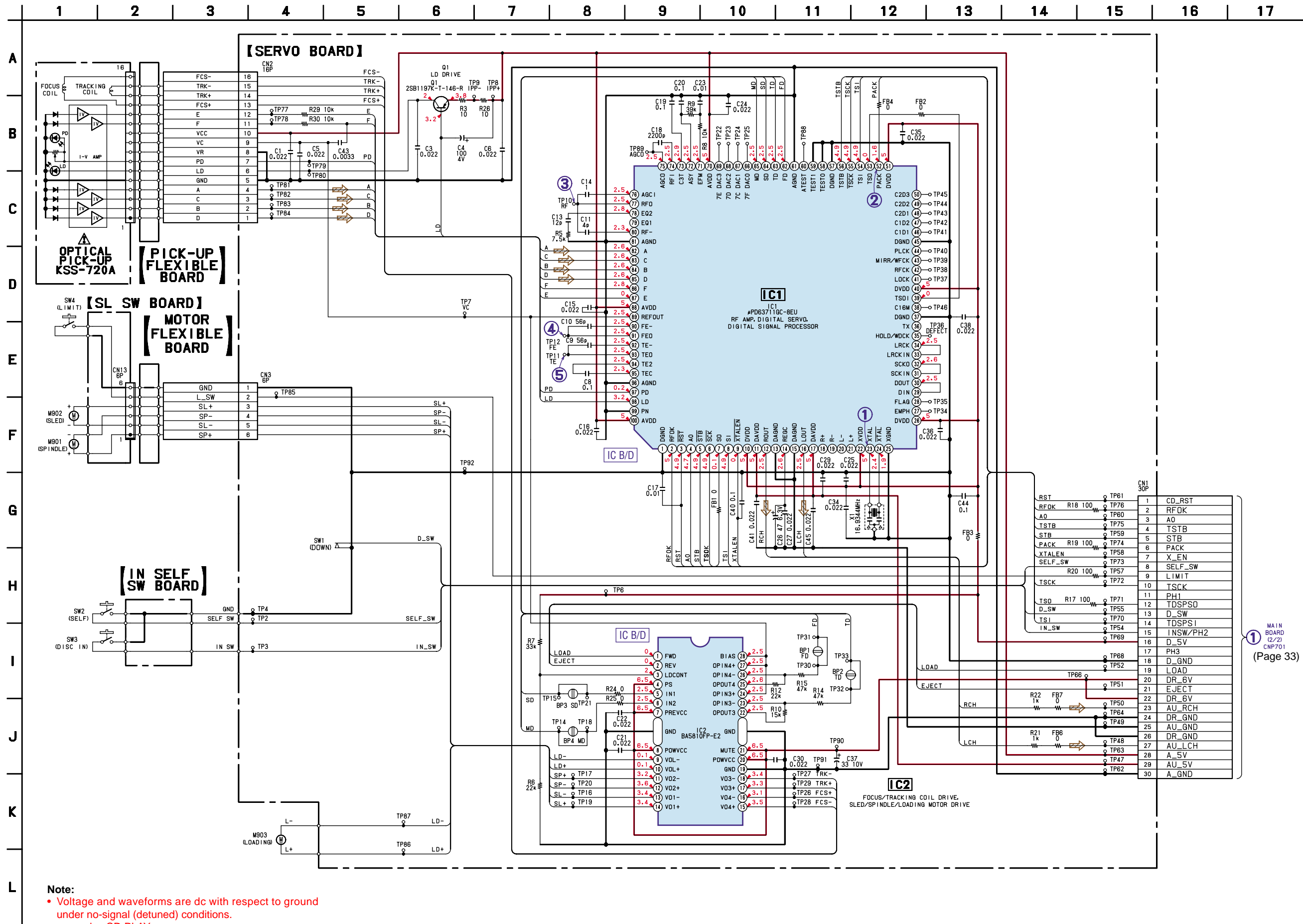
— Main Board —



3-6. SCHEMATIC DIAGRAM

• Refer to page 24 for Waveforms.

— CD MECHANISM SECTION (MG-393X-121//K) — • Refer to page 36 for IC Block Diagrams.



Note:
• Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : CD PLAY

1 MAIN BOARD (2/2) CNP701 (Page 33)

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. pF: μpF
- 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{ W}$ or less unless otherwise specified.
- % : indicates tolerance.
- \triangle : internal component.
- \square : panel designation.

<p>Note:</p> <p>The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.</p>	<p>Note:</p> <p>Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>
---	--

- — : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - \Rightarrow : FM
 - \Rightarrow : AM
 - \Rightarrow : CD

for printed wiring boards:

- \circ — : parts extracted from the component side.
- — \circ : parts extracted from the conductor side.
- \blacksquare : parts mounted on the conductor side.
- \circ : Through hole.
- : Pattern from the side which enables seeing.
(The other layer's patterns are not indicated.)

Caution:

Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.

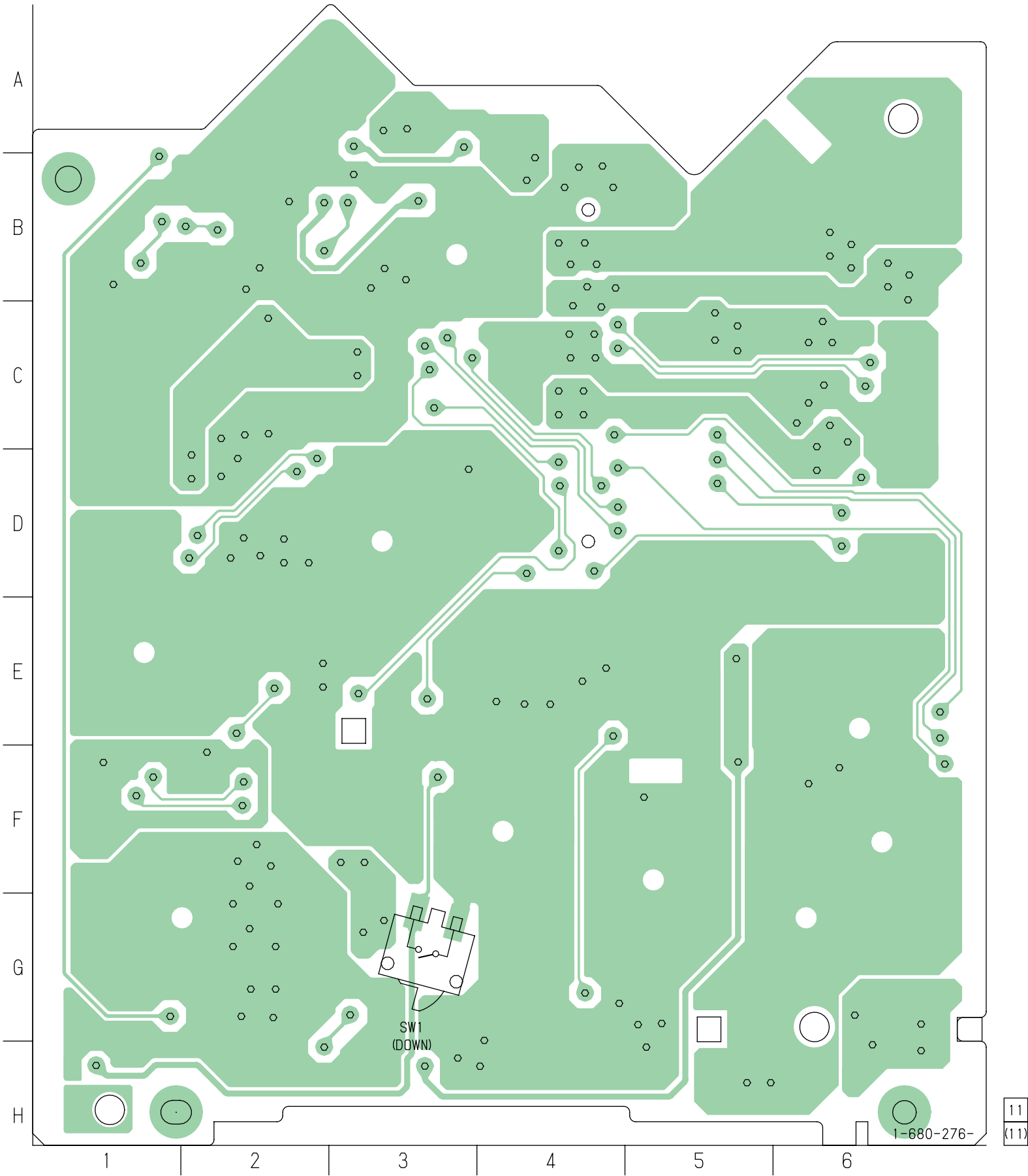
Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.

3-7. PRINTED WIRING BOARDS

— CD MECHANISM SECTION (MG-393X-121//K) —

【SERVO BOARD】(SIDE B)

• Refer to page 24 for Circuit Boards Location.



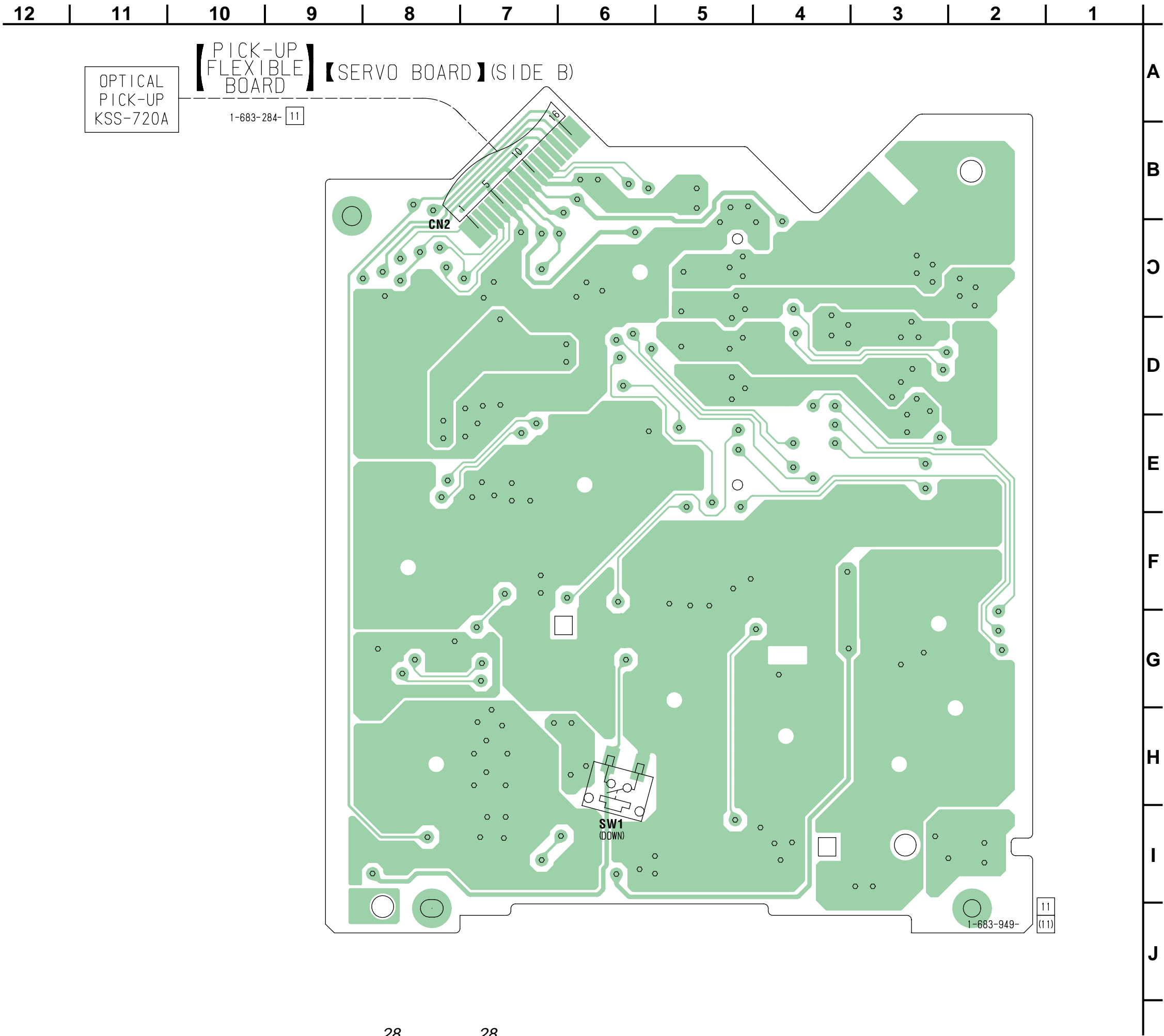
Ref. No.	Location
IC1	D-2
IC2	G-2
Q1	B-3



3-8. PRINTED WIRING BOARDS

— CD MECHANISM SECTION (MG-393XA-121//K) —

• Refer to page 24 for Circuit Boards Location.



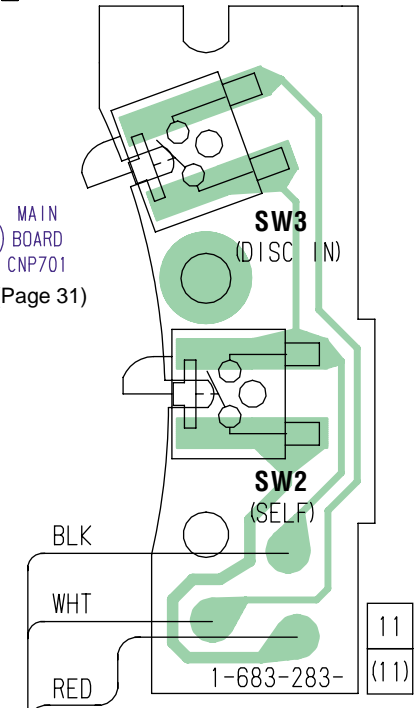
A
B
C
D
E
F
G
H
I
J



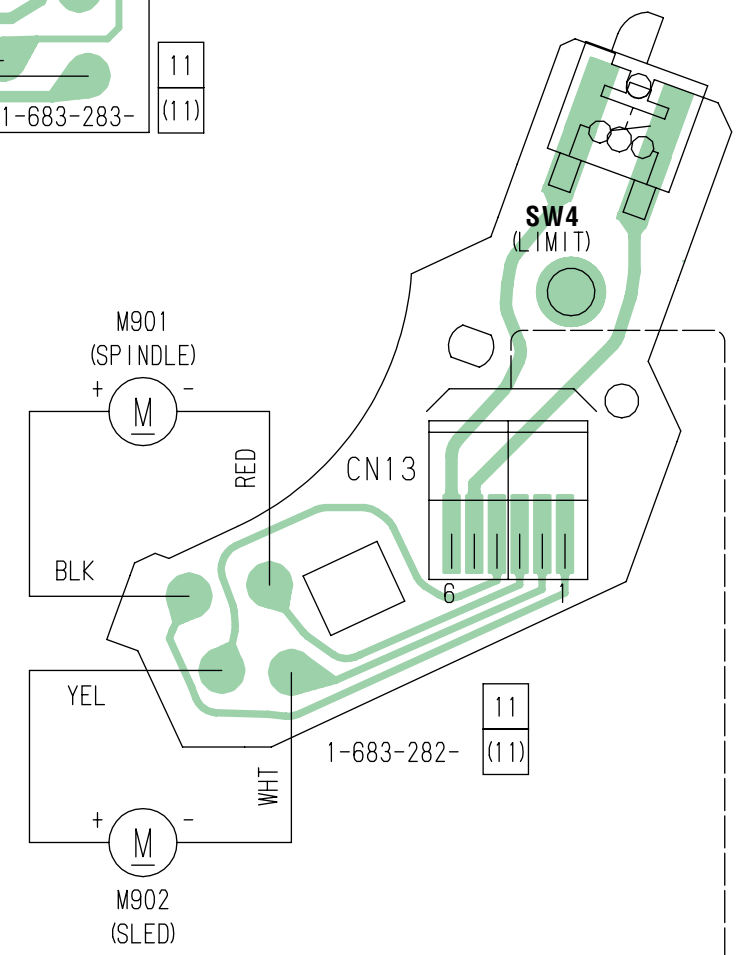
- **Semiconductor Location**

Ref. No.	Location
IC1	E-7
IC2	H-7
Q1	C-6

【IN SELF SW BOARD】



【SL SW BOARD】

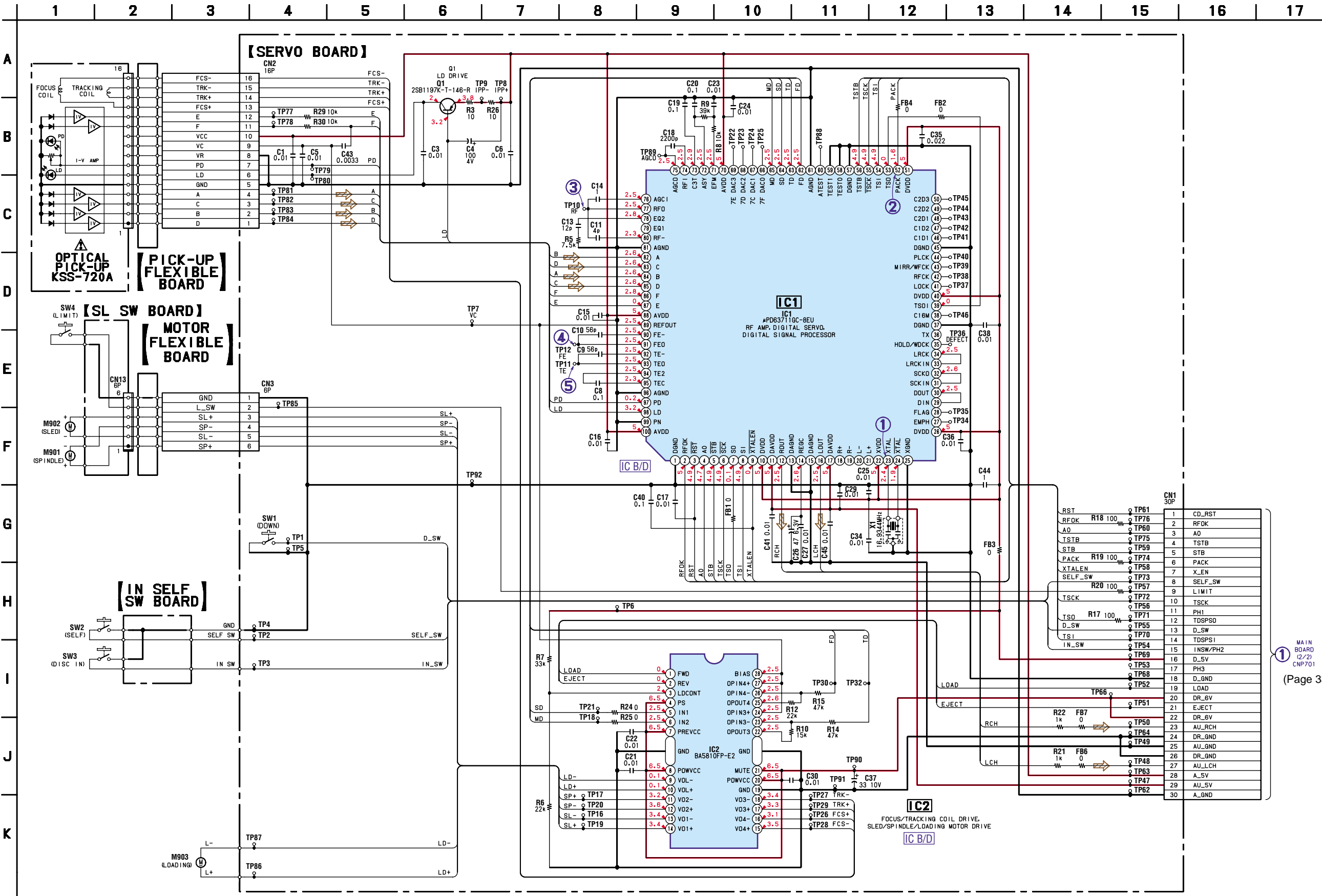


【 MOTOR FLEXIBLE BOARD 】 1-823-641- 11

3-9. SCHEMATIC DIAGRAM

• Refer to page 24 for Waveforms.

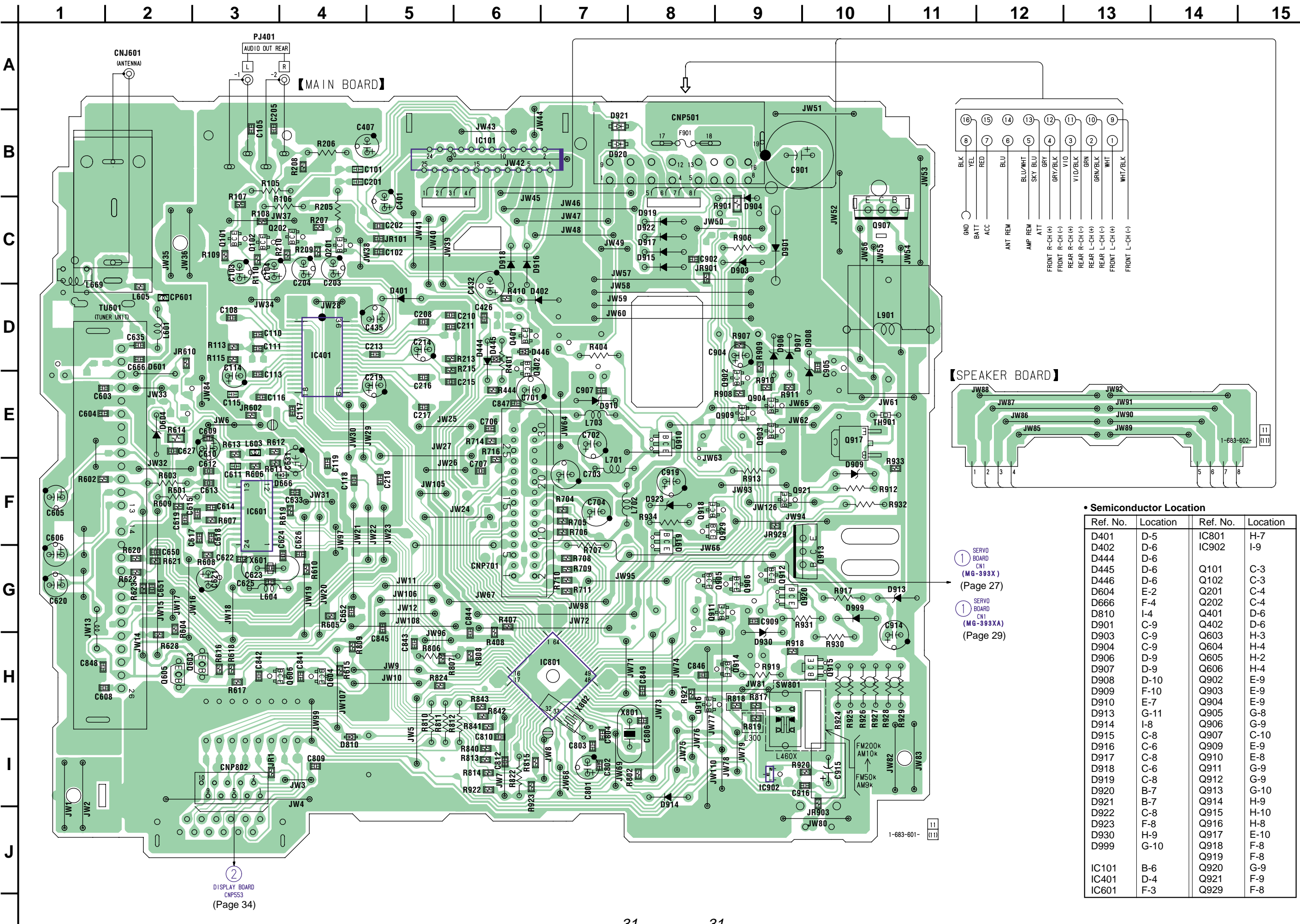
— CD MECHANISM SECTION (MG-393XA-121//K) — • Refer to page 36 for IC Block Diagrams.

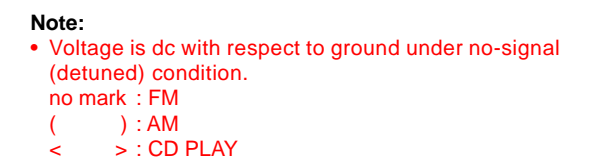


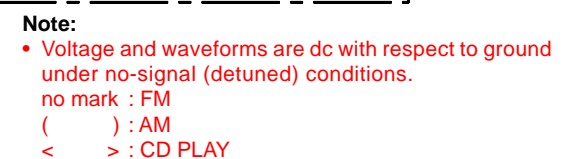
Note:

- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : CD PLAY

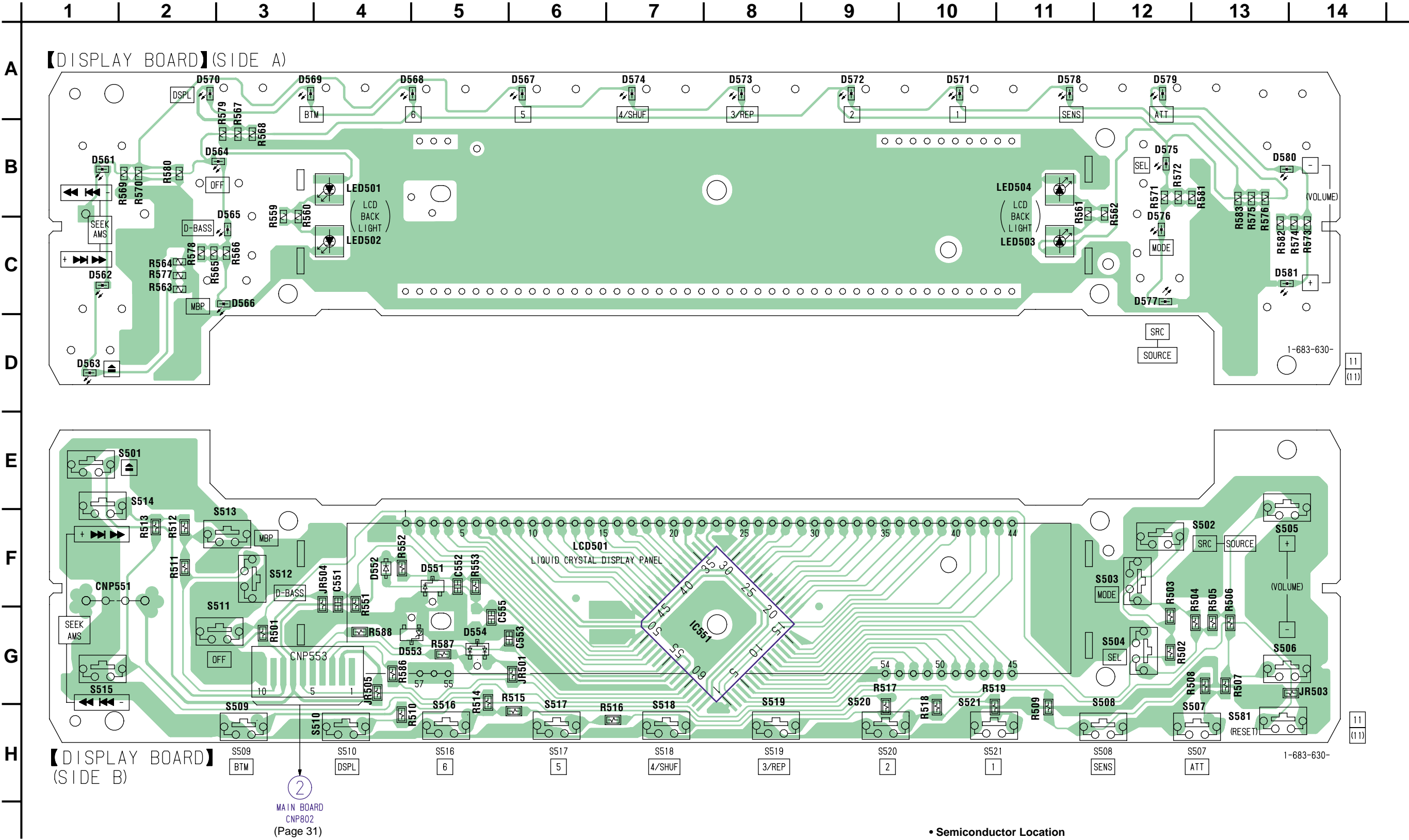
3-10. PRINTED WIRING BOARD — MAIN SECTION — • Refer to page 24 for Circuit Boards Location.





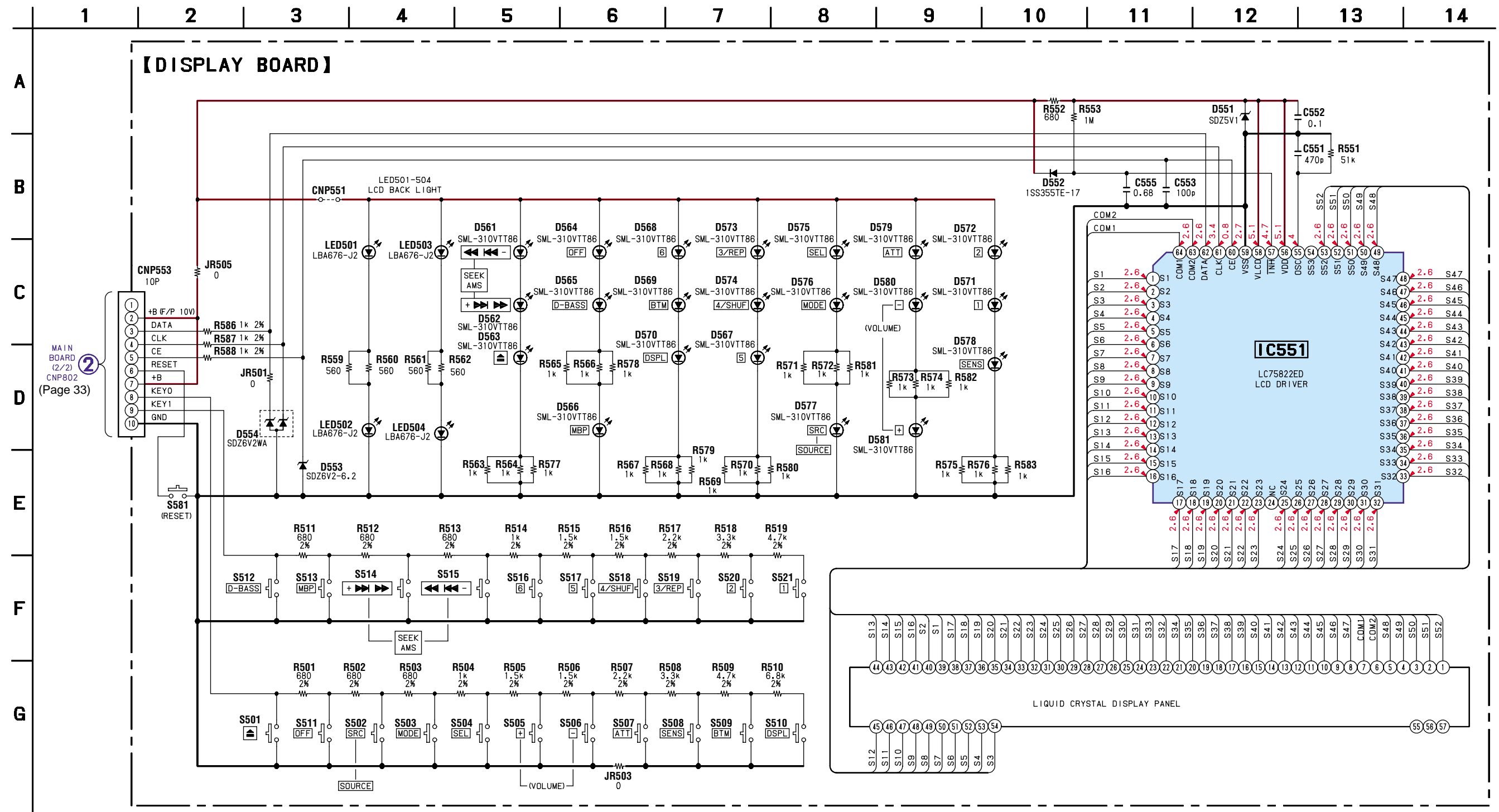


3-13. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 24 for Circuit Boards Location.



• Semiconductor Location							
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D551	F-5	D565	C-3	D573	A-8	D581	C-13
D552	F-4	D566	C-3	D574	A-7	IC551	G-7
D553	G-4	D567	A-6	D575	B-12	LED501	B-4
D554	G-5	D568	A-5	D576	C-12	LED502	C-4
D561	B-1	D569	A-3	D577	C-12	LED503	C-11
D562	C-1	D570	A-2	D578	A-11	LED504	B-11
D563	D-1	D571	A-10	D579	A-12		
D564	B-3	D572	A-9	D580	B-13		

3-14. SCHEMATIC DIAGRAM — DISPLAY SECTION —



Note:

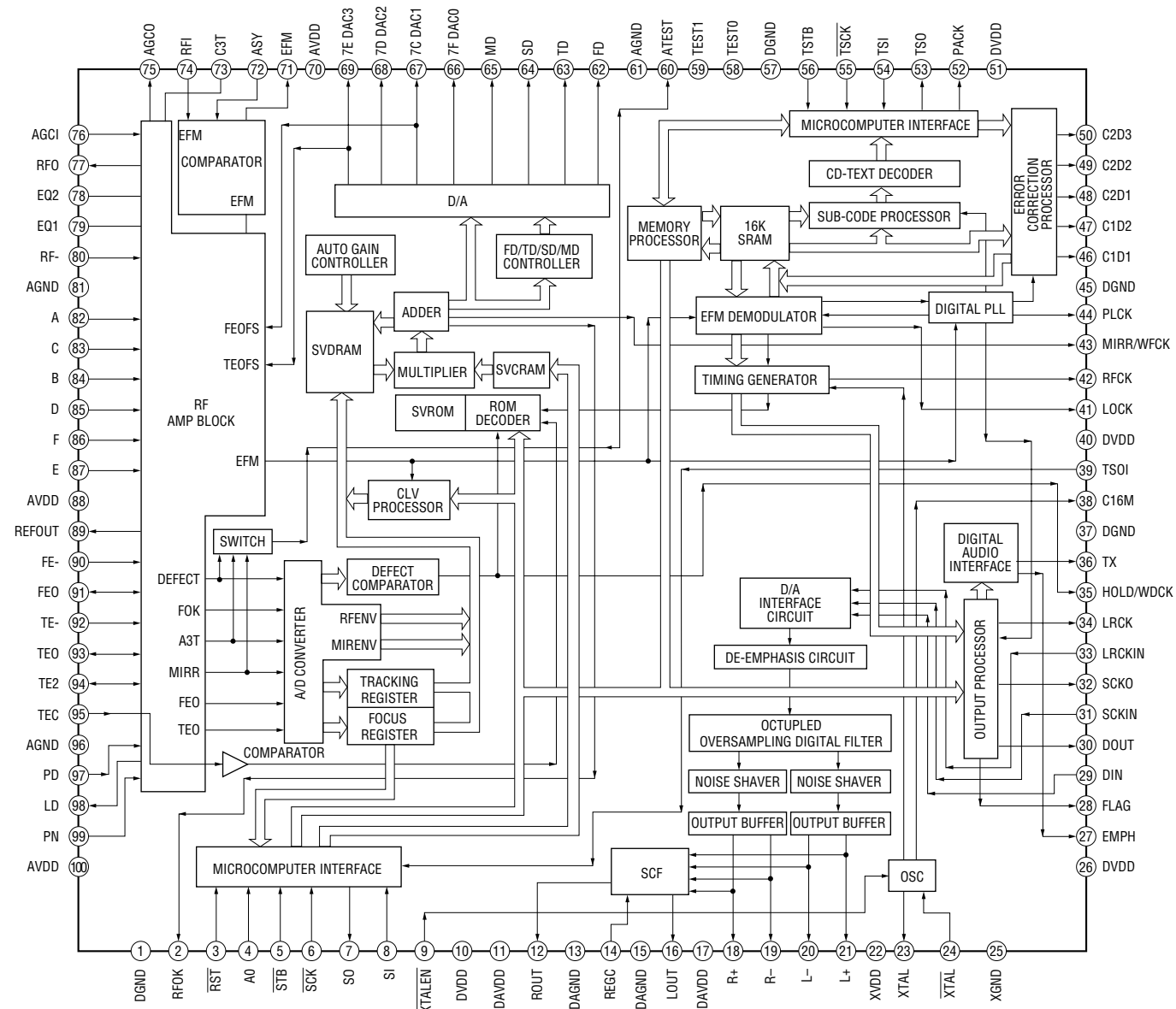
- Voltage is dc with respect to ground under no-signal (detuned) condition.
- no mark : FM

CDX-L300/L460X

- **IC Block Diagrams**

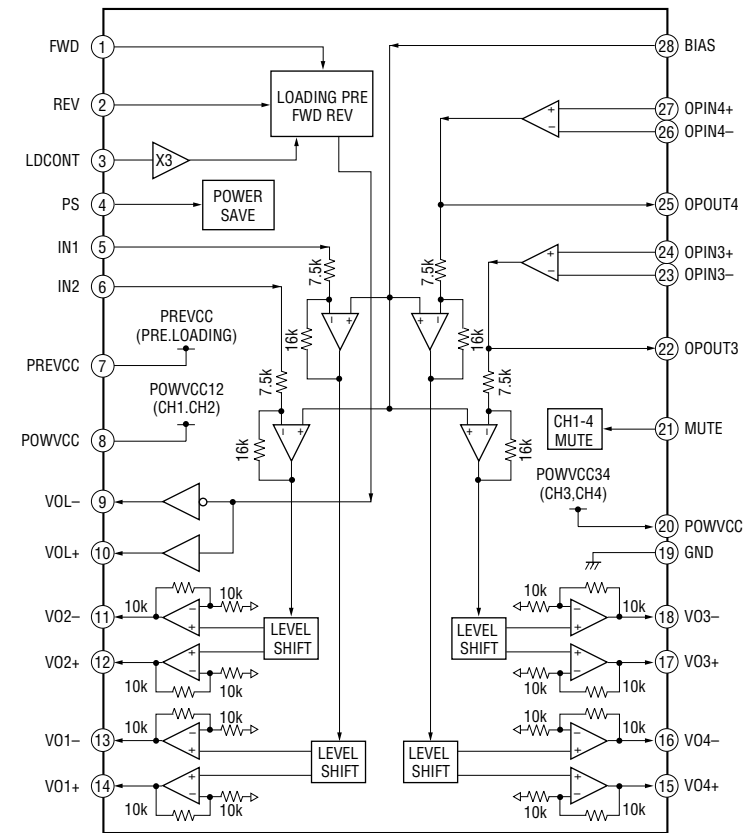
IC1 μPD63711GC-8EU (MG-393X-121//K)

IC1 μPD63711GC-8EU (MG-393XA-121//K)

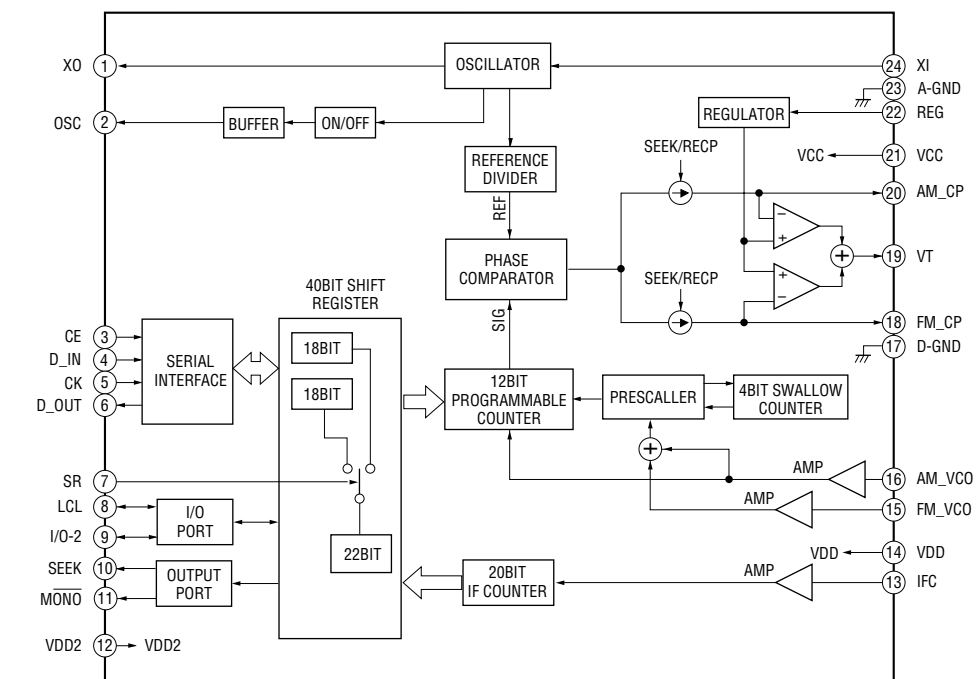


IC2 BA5810FP-E2 (MG-393X-121//K)

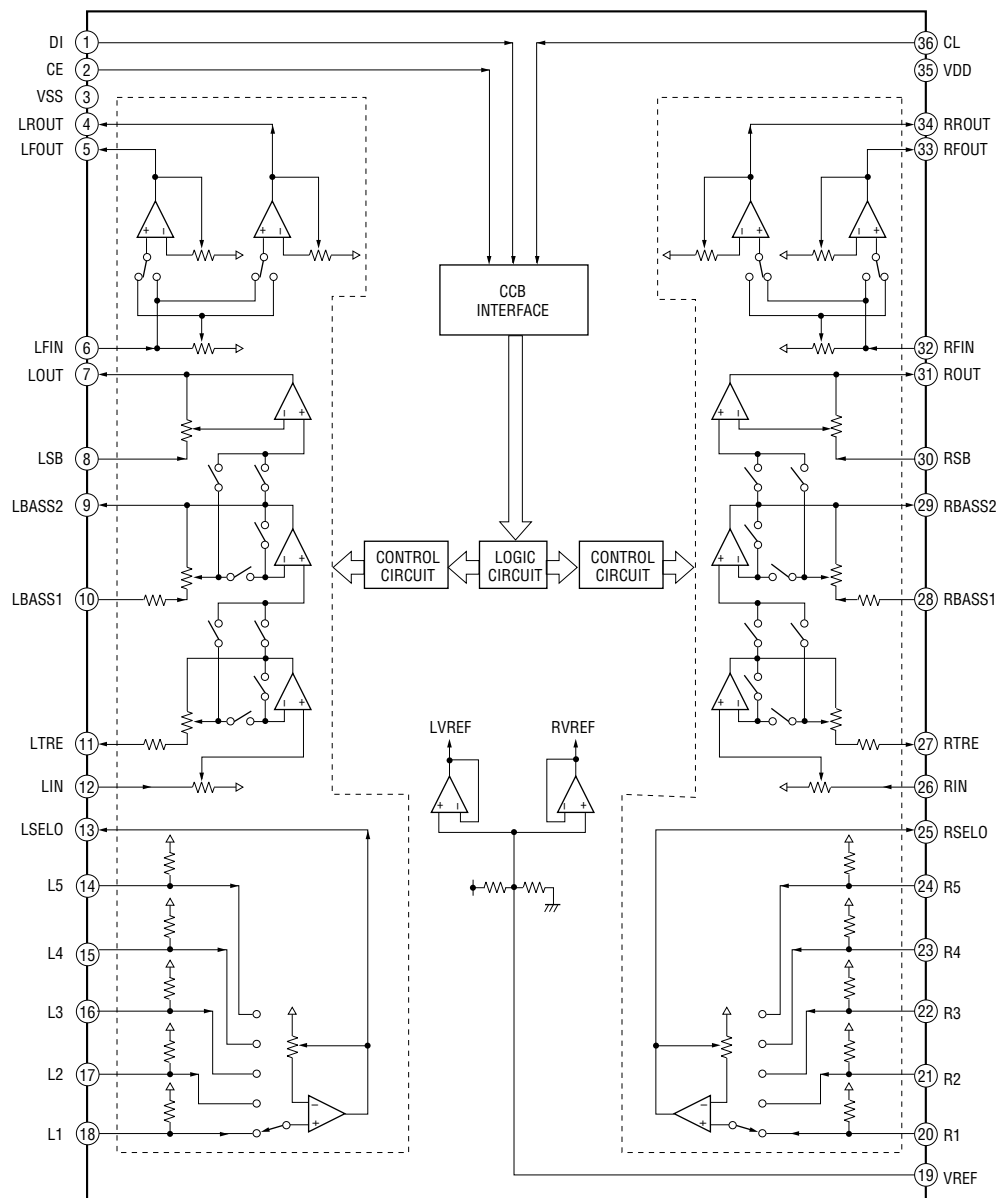
IC2 BA5810FP-E2 (MG-393XA-121//K)



IC601 TB2118F (EL-S)



IC401 LC75421M-TLM-E



SECTION 4

EXPLODED VIEWS



NOTE:


- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.

- Color Indication of Appearance Parts
Example :
KNOB, BALANCE (WHITE) ... (RED)

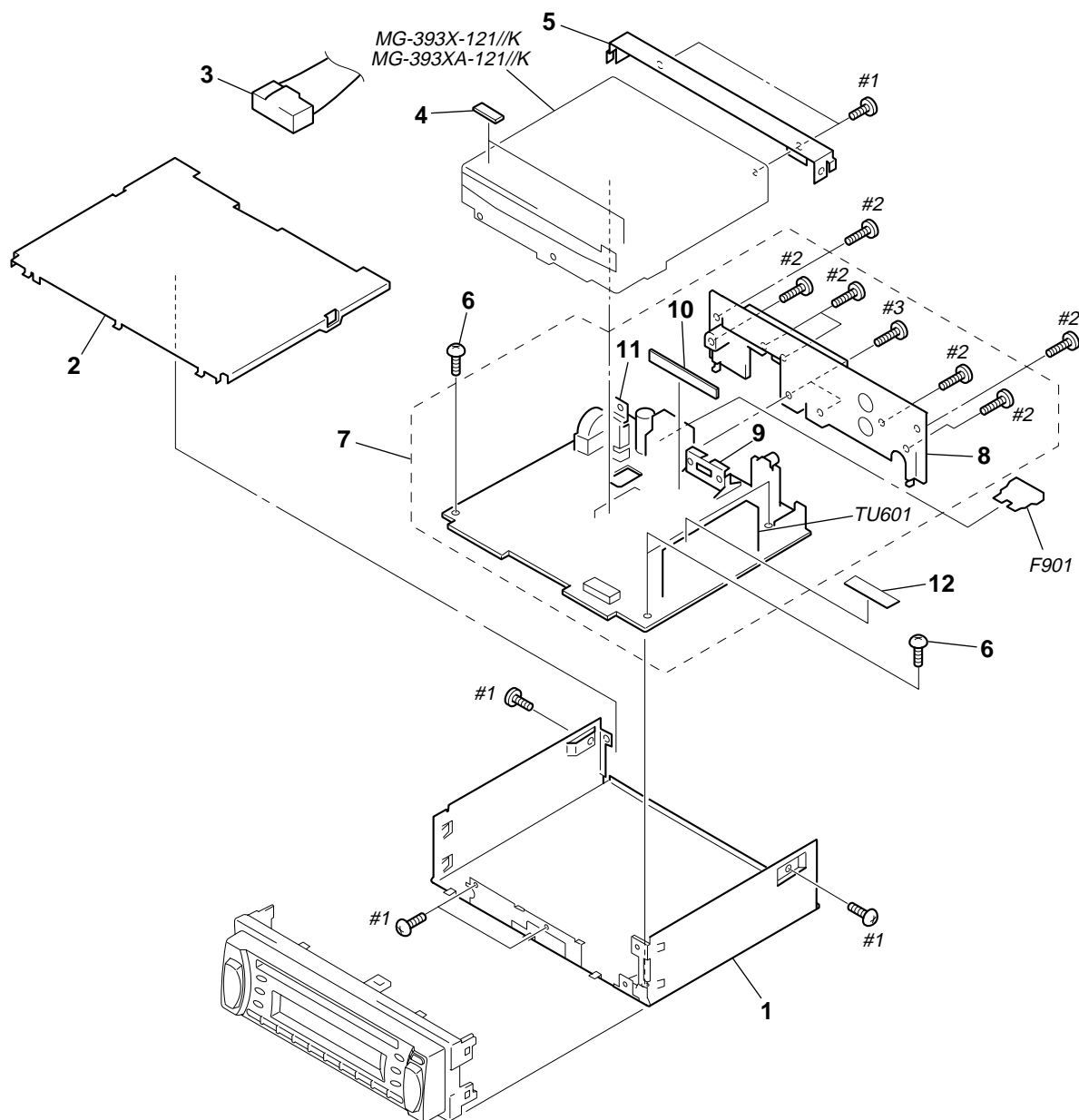
↑
Parts Color

↑
Cabinet's Color
- Accessories and hardware (# mark) list are given in the last of this parts list.

The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

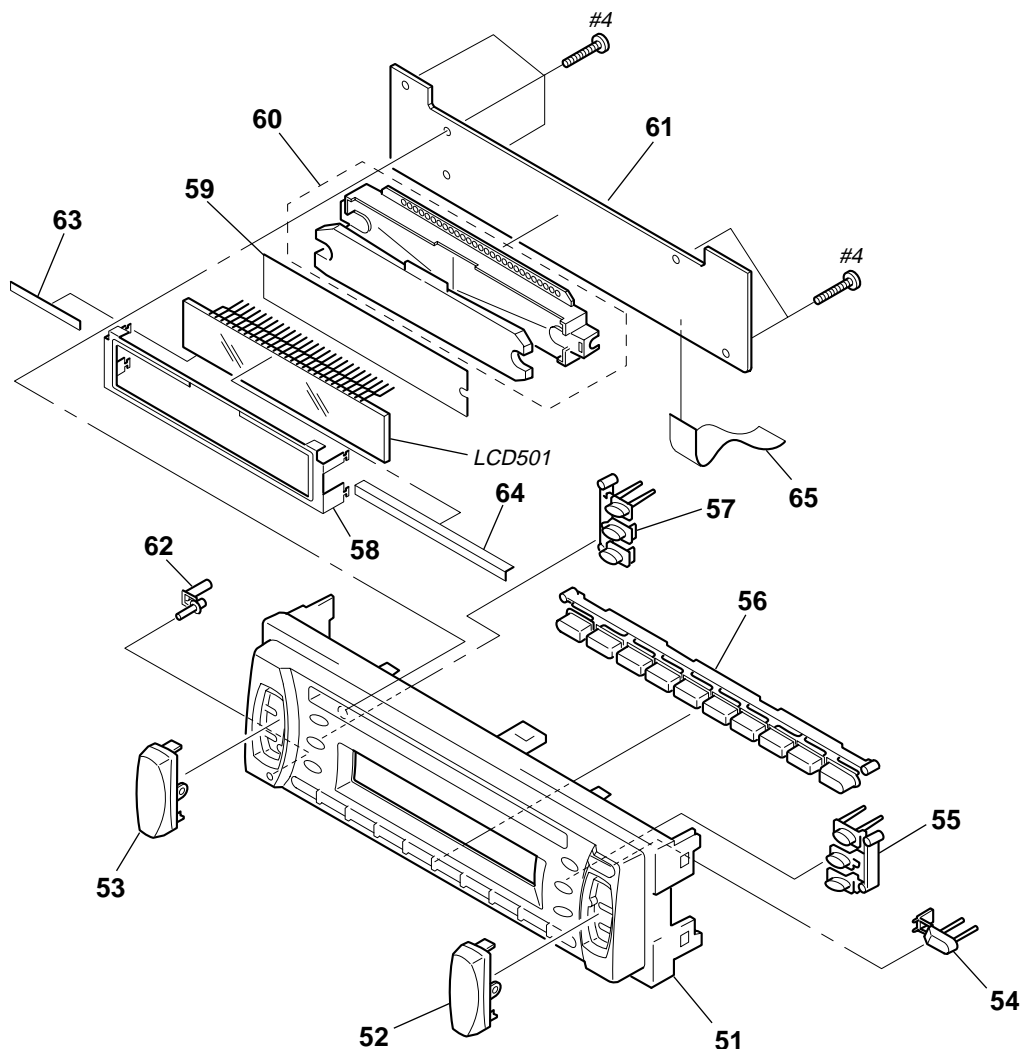
Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. CHASSIS SECTION



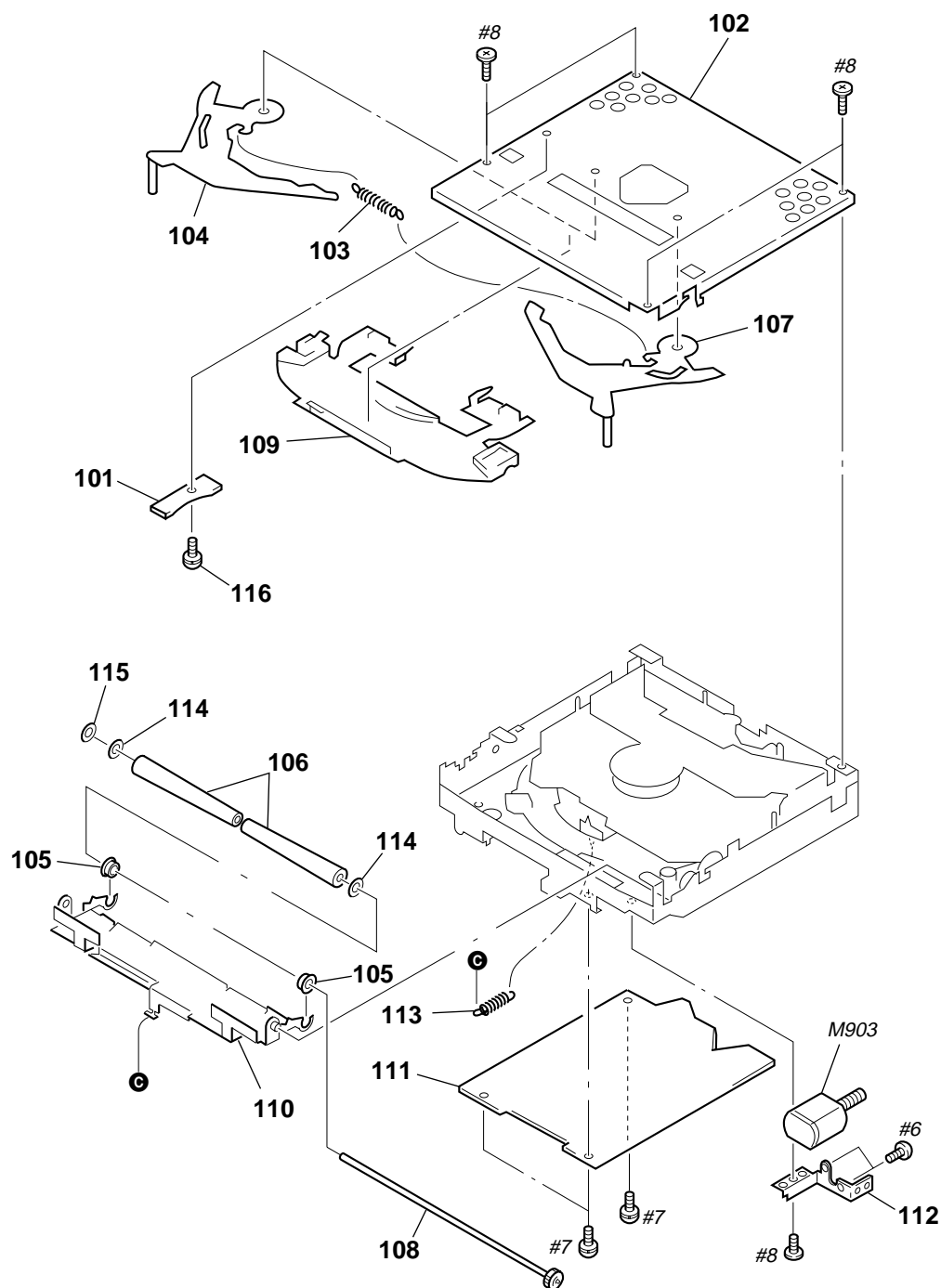
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 1	3-224-612-11	CHASSIS (CD)		* 8	3-224-613-01	HEAT SINK	
2	3-224-309-21	COVER		* 9	3-019-565-01	BRACKET (IC)	
3	1-776-206-21	CORD (WITH CONNECTOR) (POWER)		10	1-683-602-11	SPEAKER BOARD	
* 4	3-024-285-01	CUSHION (RUBBER)		11	3-041-261-11	BRACKET (TR)	
* 5	3-041-173-11	BRACKET (CD)		* 12	3-048-259-01	SHEET (E)	
6	3-922-535-11	SCREW (+BTT)		F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
7	A-3283-234-A	MAIN BOARD, COMPLETE (L460X)		TU601	A-3220-835-A	TUNER UNIT (TUX-010)	
7	A-3283-238-A	MAIN BOARD, COMPLETE (L300)					

4-2. FRONT PANEL SECTION



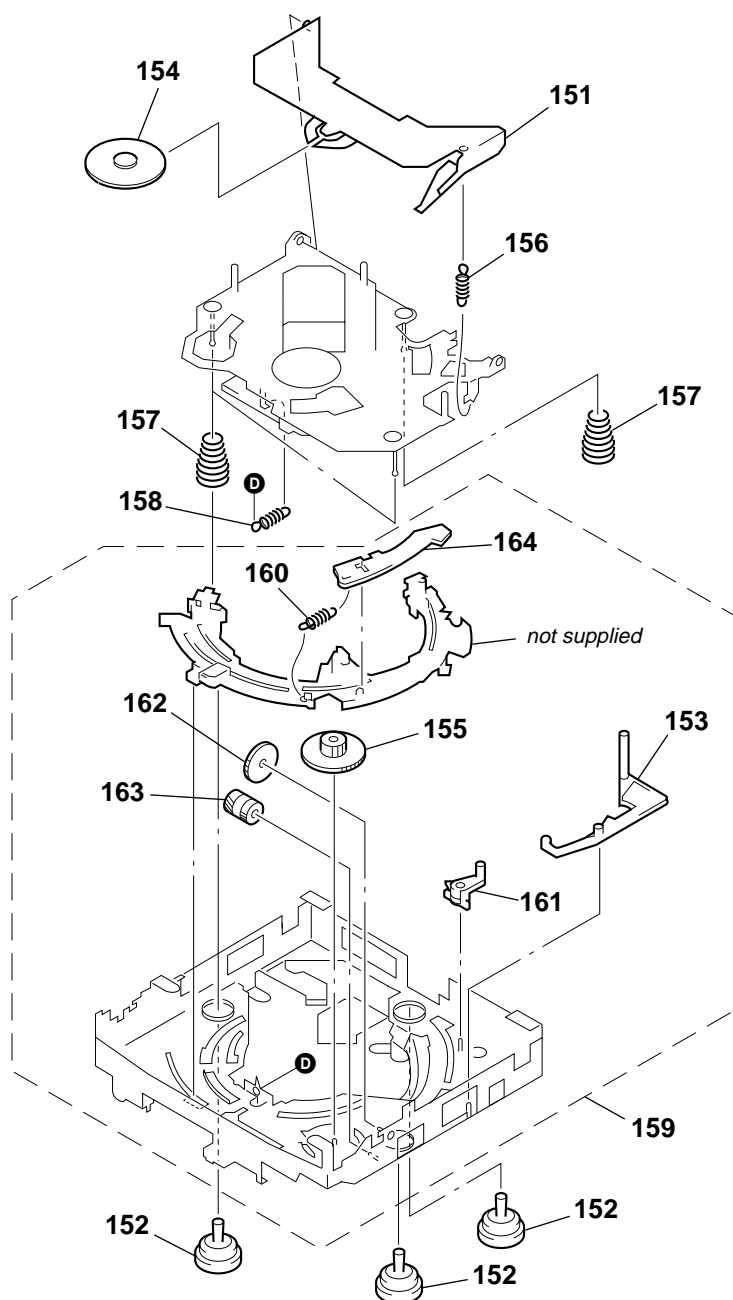
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-3381-455-1	PANEL SUB ASSY, FRONT (L460X)		* 58	3-224-609-02	PLATE (LCD), GROUND	
51	X-3381-476-1	PANEL SUB ASSY, FRONT (L300)		59	3-224-610-11	SHEET (LCD), DIFFUSION	
52	3-224-605-01	BUTTON (SEEK/AMS)		60	X-3381-070-1	HOLDER (LCD) ASSY	
53	3-224-604-01	BUTTON (+/-) (L300)		61	A-3283-240-A	DISPLAY BOARD, COMPLETE	
53	3-224-604-11	BUTTON (+/-) (L460X)		62	3-224-617-01	BUTTON (RESET)	
54	3-224-601-01	BUTTON (EJECT)		* 63	3-227-293-01	SHEET (LCD)	
55	3-224-603-01	BUTTON (OFF)		* 64	3-229-751-01	SHEET (LCD.UP)	
56	3-224-600-01	BUTTON (1-6)		65	1-765-143-41	WIRE (FLAT TYPE) (10 CORE) (CNP553)	
57	3-224-602-01	BUTTON (SOURCE)		LCD501	1-804-300-21	DISPLAY PANEL, LIQUID CRYSTAL	

4-3. CD MECHANISM SECTION (1)
(MG-393X-121//K)



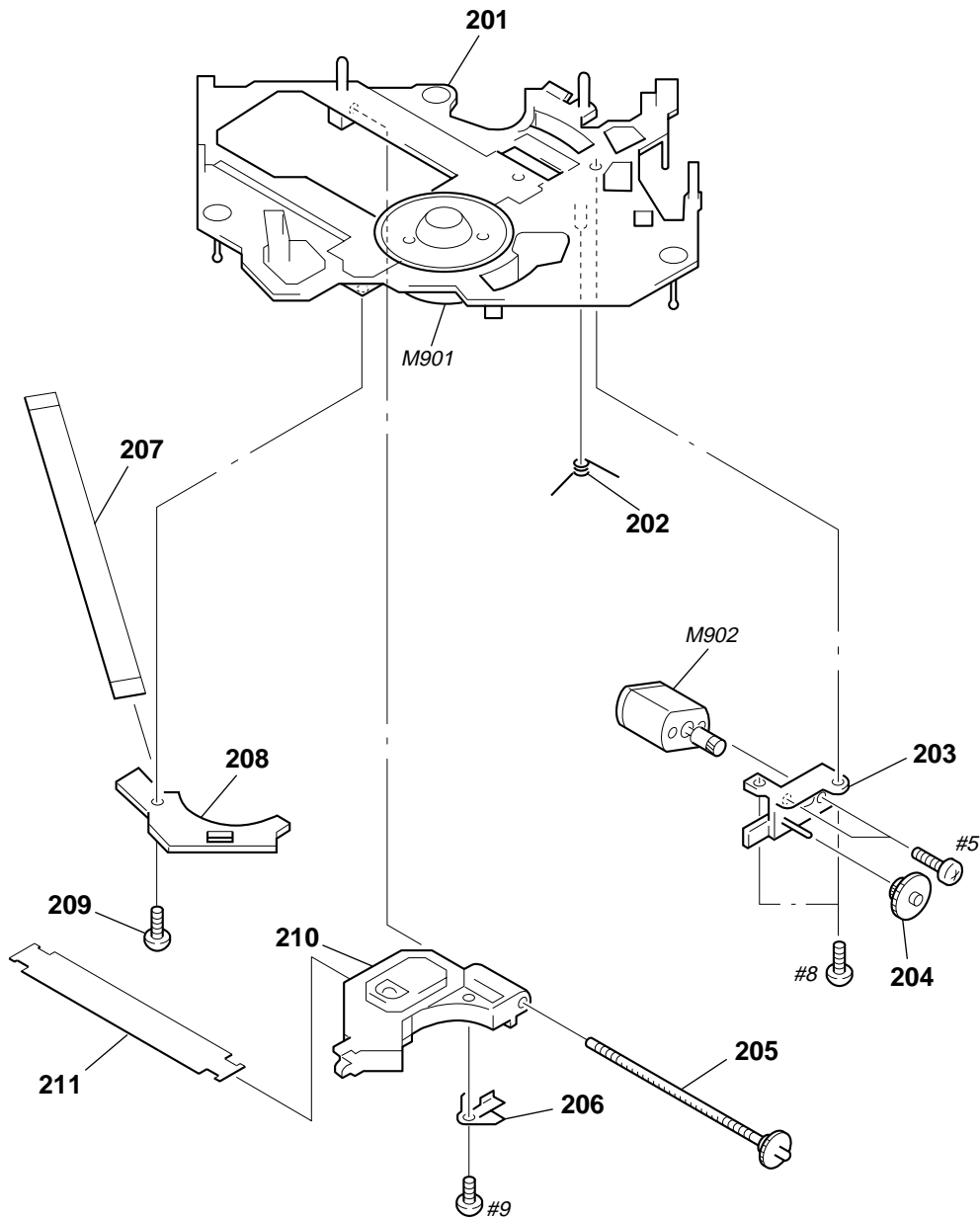
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 101	1-676-709-11	IN SELF SW BOARD		110	3-040-040-01	ARM (ROLLER)	
102	3-040-039-01	CHASSIS (T)		* 111	A-3283-212-A	SERVO BOARD, COMPLETE	
103	3-040-038-01	SPRING (LR), TENSION		112	3-221-779-01	BRACKET (MOTOR)	
104	3-040-050-01	LEVER (L)		113	3-040-034-01	SPRING (RA), TENSION	
105	3-040-022-01	RETAINER (ROLLER), SHAFT		114	3-040-042-01	WASHER	
106	3-040-044-01	ROLLER (S)		115	3-043-880-01	RING (RA), RETAINING	
107	3-040-067-01	LEVER (R)		116	3-044-206-11	SCREW, SPECIAL	
108	A-3301-980-A	SHAFT ROLLER ASSY		M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)	
109	3-040-037-01	GUIDE (DISC)					




4-4. CD MECHANISM SECTION (2) (MG-393X-121//K)




Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-040-025-01	ARM, CHUCKING		158	3-040-033-01	SPRING (KF1), TENSION	
152	3-040-031-01	DAMPER (T)		159	A-3307-422-A	CHASSIS (M) COMPLETE ASSY	
153	3-040-056-01	LEVER (D)		160	3-040-059-01	SPRING (TR), TENSION	
154	3-040-024-01	RETAINER (DISC)		161	3-040-057-01	LEVER (LOCK)	
155	3-040-054-01	WHEEL (LW), WORM		162	3-040-058-01	GEAR (MDL)	
156	3-040-026-01	SPRING (CH), TENSION		163	3-040-052-01	WHEEL (U), WORM	
157	3-040-032-01	SPRING (FL), COMPRESSION		164	3-040-051-01	LEVER (TR)	

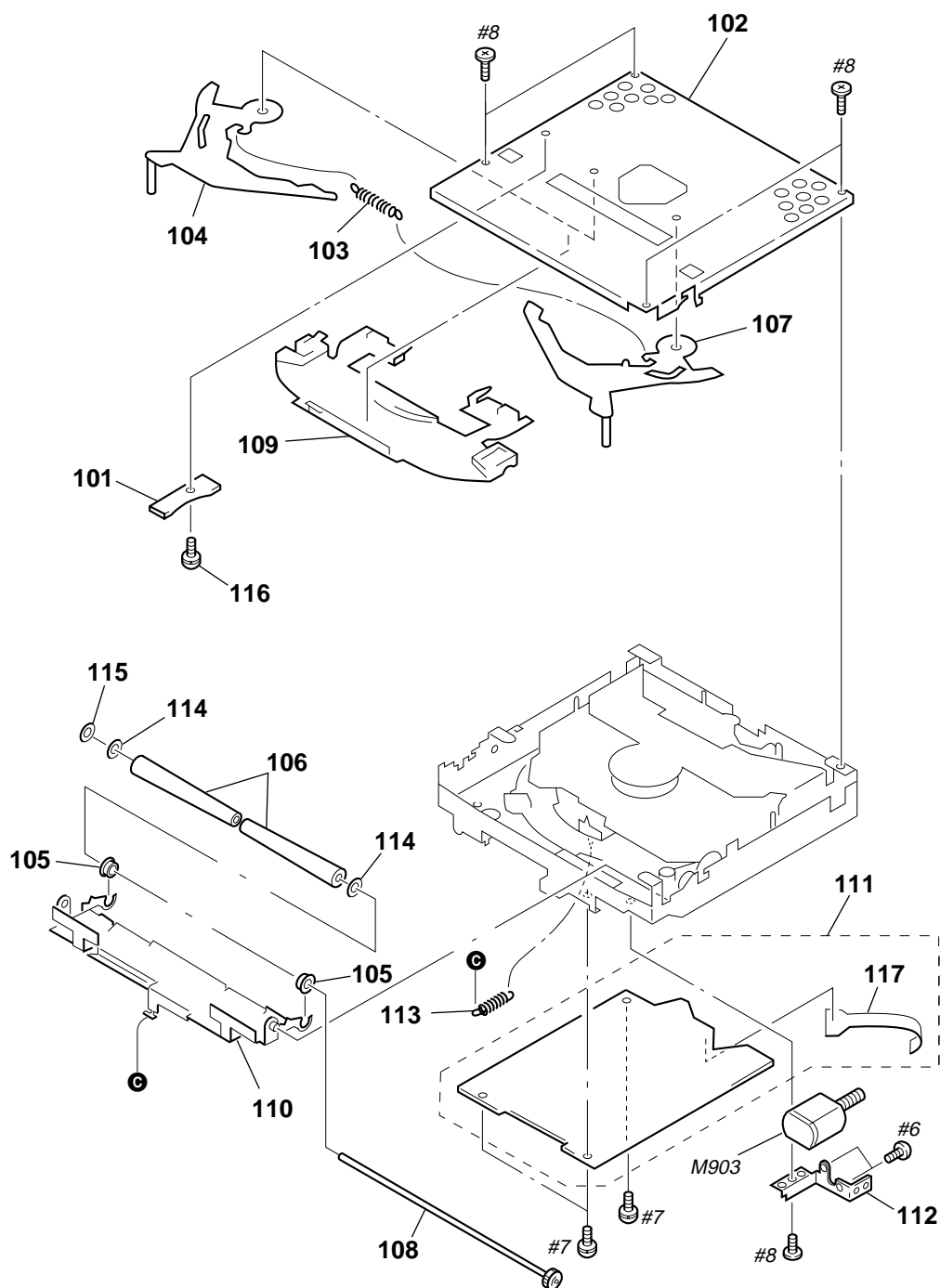
4-5. CD MECHANISM SECTION (3)
(MG-393X-121//K)



The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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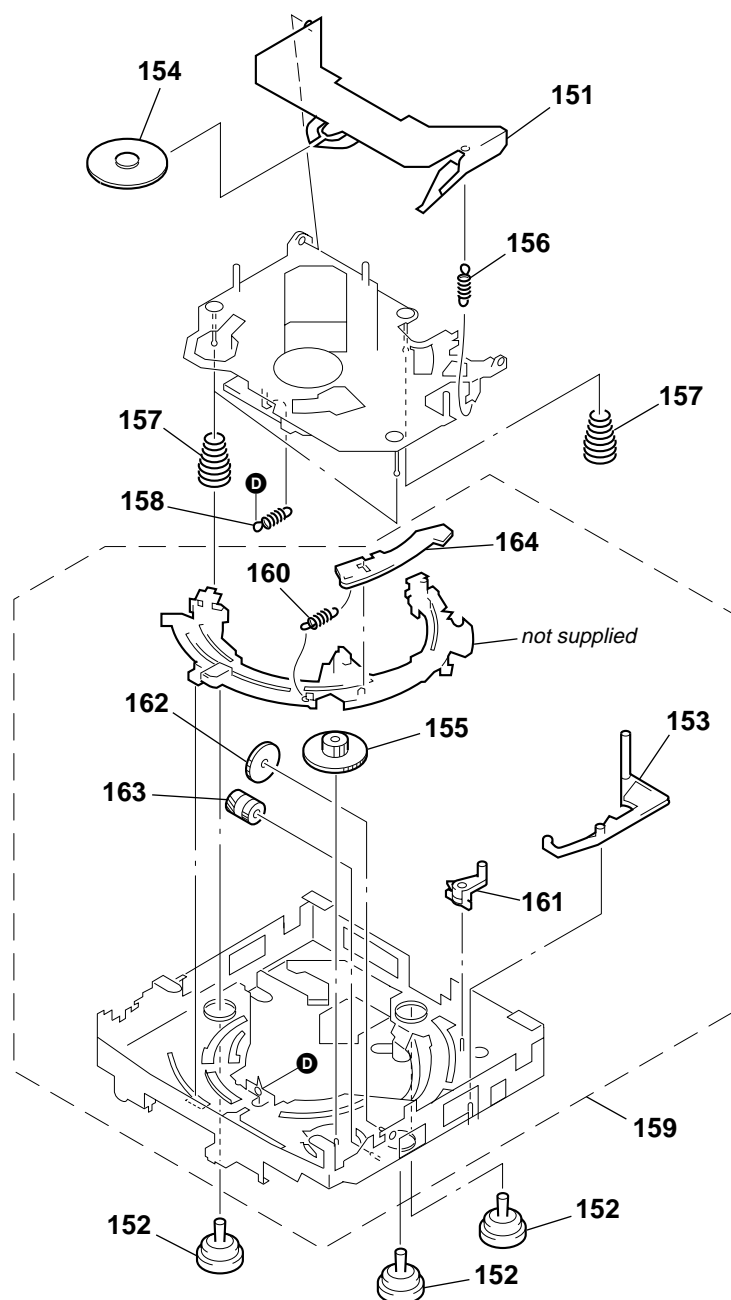
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-3378-480-1	CHASSIS (OP) ASSY (including M901)		207	1-677-182-11	MOTOR FLEXIBLE BOARD	
202	3-040-029-01	SPRING (SL), TORSION		* 208	1-676-708-11	SL SW BOARD	
203	3-040-045-01	BASE (DRIVING)		209	3-909-607-01	SCREW	
204	3-040-194-01	GEAR (MIDWAY)		 210	8-820-103-11	PICK-UP, OPTICAL KSS-720A/C-RP	
205	A-3301-983-A	SHAFT (FEED) ASSY		211	1-676-707-11	PICK-UP FLEXIBLE BOARD	
206	3-040-030-01	SPRING (FEED), PLATE		M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)	

4-6. CD MECHANISM SECTION (1) (MG-393XA-121//K)



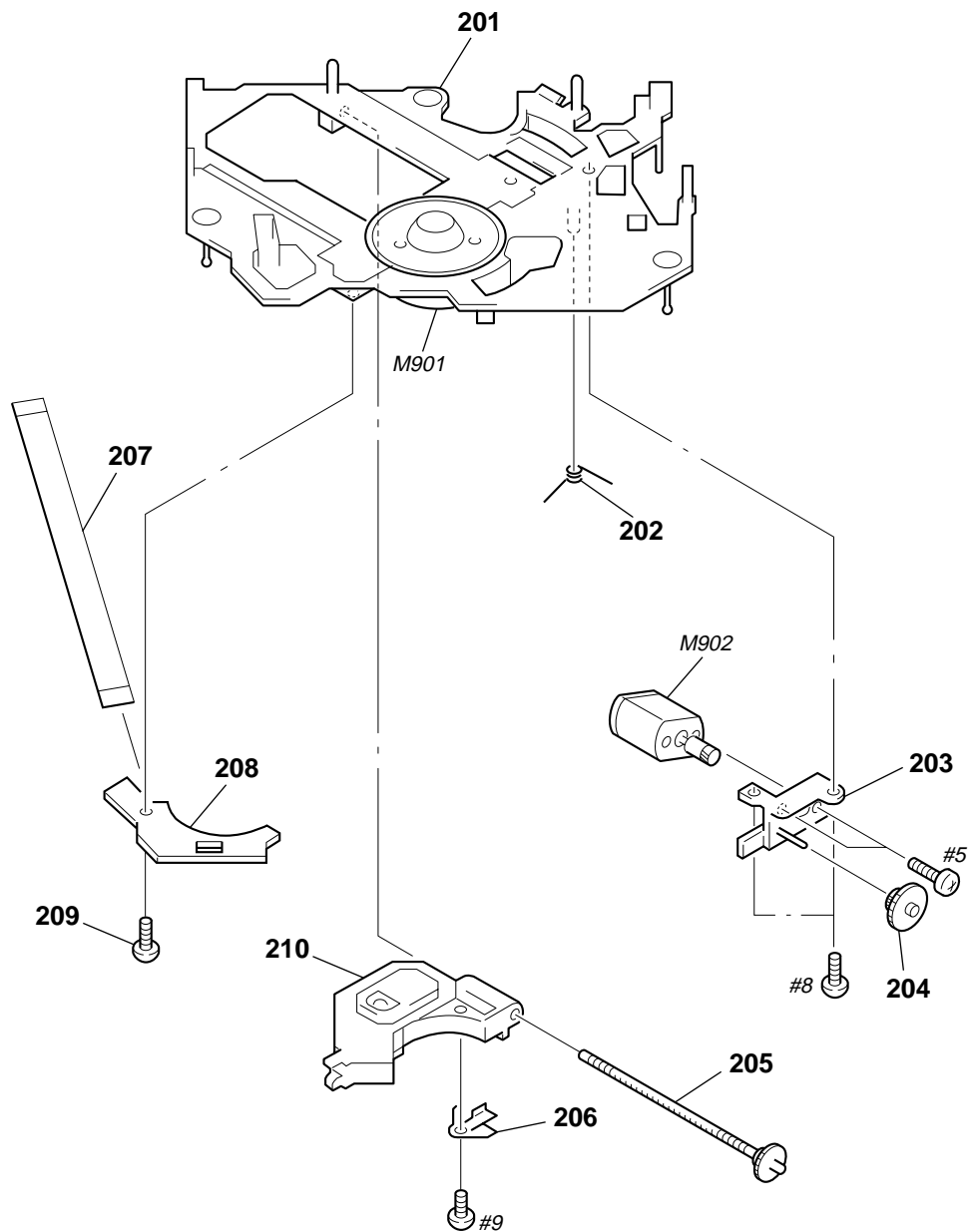
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-683-283-11	IN SELF SW BOARD		110	3-040-040-02	ARM (ROLLER)	
102	3-040-039-02	CHASSIS (T)		111	A-3283-233-A	SERVO BOARD, COMPLETE	
103	3-040-038-01	SPRING (LR), TENSION		112	3-221-779-01	BRACKET (MOTOR)	
104	3-040-050-01	LEVER (L)		113	3-040-034-01	SPRING (RA), TENSION	
105	3-040-022-01	RETAINER (ROLLER), SHAFT		114	3-040-042-01	WASHER	
106	3-040-044-01	ROLLER (S)		115	3-043-880-01	RING (RA), RETAINING	
107	3-040-067-01	LEVER (R)		116	3-044-206-11	SCREW, SPECIAL	
108	A-3301-980-A	SHAFT ROLLER ASSY		117	1-683-284-11	FLEXIBLE BOARD	
109	3-040-037-01	GUIDE (DISC)		M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)	

4-7. CD MECHANISM SECTION (2)
(MG-393XA-121//K)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-040-025-01	ARM, CHUCKING		158	3-040-033-01	SPRING (KF1), TENSION	
152	3-040-031-01	DAMPER (T)		159	A-3307-422-A	CHASSIS (M) COMPLETE ASSY	
153	3-040-056-01	LEVER (D)		160	3-040-059-01	SPRING (TR), TENSION	
154	3-040-024-01	RETAINER (DISC)		161	3-040-057-01	LEVER (LOCK)	
155	3-040-054-01	WHEEL (LW), WORM		162	3-040-058-01	GEAR (MDL)	
156	3-040-026-01	SPRING (CH), TENSION		163	3-040-052-01	WHEEL (U), WORM	
157	3-040-032-01	SPRING (FL), COMPRESSION		164	3-040-051-02	LEVER (TR)	

4-8. CD MECHANISM SECTION (3) (MG-393XA-121//K)



The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-3378-480-1	CHASSIS (OP) ASSY (including M901)		207	1-823-641-11	CABLE, FLEXIBLE FLAT (6 CORE)	
202	3-040-029-01	SPRING (SL), TORSION		208	1-683-282-11	SL SW BOARD	
203	3-040-045-01	BASE (DRIVING)		209	3-909-607-01	SCREW	
204	3-040-194-01	GEAR (MIDWAY)		\triangle 210	8-820-103-11	PICK-UP, OPTICAL KSS-720A/C-RP	
205	A-3301-983-A	SHAFT (FEED) ASSY		M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)	
206	3-040-030-01	SPRING (FEED), PLATE					

DISPLAY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
CND : Canadian model
393X : MG-393X-121//K
393XA: MG-393XA-121//K
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-3283-240-A	DISPLAY BOARD, COMPLETE *****				< IC >	
	1-765-143-41	WIRE (FLAT TYPE) (10 CORE) (CNP553)		IC551	8-759-369-90	IC LC75822ED	
*	3-224-609-02	PLATE (LCD), GROUND				< JUMPER RESISTOR >	
	3-224-610-11	SHEET (LCD), DIFFUSION					
*	3-227-293-01	SHEET (LCD)		JR501	1-216-864-11	METAL CHIP 0 5% 1/16W	
*	3-229-751-01	SHEET (LCD.UP)		JR503	1-216-864-11	METAL CHIP 0 5% 1/16W	
		< CAPACITOR >		JR505	1-216-864-11	METAL CHIP 0 5% 1/16W	
C551	1-164-315-11	CERAMIC CHIP 470PF 5% 50V				< LIQUID CRYSTAL DISPLAY >	
C552	1-164-156-11	CERAMIC CHIP 0.1uF 25V		LCD501	1-804-300-21	DISPLAY PANEL, LIQUID CRYSTAL	
C553	1-162-927-11	CERAMIC CHIP 100PF 5% 50V				< DIODE >	
C555	1-119-866-11	CERAMIC CHIP 0.68uF 10% 10V		LED501	8-719-072-40	LED LBA676-J2K1K2 (LCD BACK LIGHT)	
		< CONNECTOR >		LED502	8-719-072-40	LED LBA676-J2K1K2 (LCD BACK LIGHT)	
* CNP551	1-779-130-11	PIN, CONNECTOR 1P		LED503	8-719-072-40	LED LBA676-J2K1K2 (LCD BACK LIGHT)	
		< DIODE >		LED504	8-719-072-40	LED LBA676-J2K1K2 (LCD BACK LIGHT)	
D551	8-719-073-15	DIODE SDZ5V1				< RESISTOR >	
D552	8-719-988-61	DIODE 1SS355TE-17		R501	1-219-286-11	RES-CHIP 680 2% 1/16W	
D553	8-719-067-70	DIODE SDZ6V2		R502	1-219-286-11	RES-CHIP 680 2% 1/16W	
D554	8-719-068-68	DIODE SDZ6V2WA		R503	1-219-286-11	RES-CHIP 680 2% 1/16W	
D561	8-719-053-09	LED SML-310VTT86 (SEEK/AMS ◀◀◀◀◀◀ -)		R504	1-218-847-11	RES-CHIP 1K 2% 1/16W	
D562	8-719-053-09	LED SML-310VTT86 (SEEK/AMS + ▶▶▶▶▶▶)		R505	1-218-851-11	RES-CHIP 1.5K 2% 1/16W	
D563	8-719-053-09	LED SML-310VTT86 (\triangle)		R506	1-218-851-11	RES-CHIP 1.5K 2% 1/16W	
D564	8-719-053-09	LED SML-310VTT86 (OFF)		R507	1-218-855-11	RES-CHIP 2.2K 2% 1/16W	
D565	8-719-053-09	LED SML-310VTT86 (D-BASS)		R508	1-218-859-11	RES-CHIP 3.3K 2% 1/16W	
D566	8-719-053-09	LED SML-310VTT86 (MBP)		R509	1-218-863-11	RES-CHIP 4.7K 2% 1/16W	
D567	8-719-053-09	LED SML-310VTT86 (5)		R510	1-218-867-11	RES-CHIP 6.8K 2% 1/16W	
D568	8-719-053-09	LED SML-310VTT86 (6)		R511	1-219-286-11	RES-CHIP 680 2% 1/16W	
D569	8-719-053-09	LED SML-310VTT86 (BTM)		R512	1-219-286-11	RES-CHIP 680 2% 1/16W	
D570	8-719-053-09	LED SML-310VTT86 (DSPL)		R513	1-219-286-11	RES-CHIP 680 2% 1/16W	
D571	8-719-053-09	LED SML-310VTT86 (1)		R514	1-218-847-11	RES-CHIP 1K 2% 1/16W	
D572	8-719-053-09	LED SML-310VTT86 (2)		R515	1-218-851-11	RES-CHIP 1.5K 2% 1/16W	
D573	8-719-053-09	LED SML-310VTT86 (3/REP)		R516	1-218-851-11	RES-CHIP 1.5K 2% 1/16W	
D574	8-719-053-09	LED SML-310VTT86 (4/SHUF)		R517	1-218-855-11	RES-CHIP 2.2K 2% 1/16W	
D575	8-719-053-09	LED SML-310VTT86 (SEL)		R518	1-218-859-11	RES-CHIP 3.3K 2% 1/16W	
D576	8-719-053-09	LED SML-310VTT86 (MODE)		R519	1-218-863-11	RES-CHIP 4.7K 2% 1/16W	
D577	8-719-053-09	LED SML-310VTT86 (SRC – SOURCE)		R551	1-218-331-11	RES-CHIP 51K 5% 1/16W	
D578	8-719-053-09	LED SML-310VTT86 (SENS)		R552	1-216-819-11	METAL CHIP 680 5% 1/16W	
D579	8-719-053-09	LED SML-310VTT86 (ATT)		R553	1-216-857-11	METAL CHIP 1M 5% 1/16W	
D580	8-719-053-09	LED SML-310VTT86 (VOLUME -)		R559	1-216-818-11	METAL CHIP 560 5% 1/16W	
D581	8-719-053-09	LED SML-310VTT86 (VOLUME +)		R560	1-216-818-11	METAL CHIP 560 5% 1/16W	
				R561	1-216-818-11	METAL CHIP 560 5% 1/16W	

DISPLAY

IN SELF SW

MAIN

Ref. No.	Part No.	Description	Remark
R562	1-216-818-11	METAL CHIP	560 5% 1/16W
R563	1-216-821-11	METAL CHIP	1K 5% 1/16W
R564	1-216-821-11	METAL CHIP	1K 5% 1/16W
R565	1-216-821-11	METAL CHIP	1K 5% 1/16W
R566	1-216-821-11	METAL CHIP	1K 5% 1/16W
R567	1-216-821-11	METAL CHIP	1K 5% 1/16W
R568	1-216-821-11	METAL CHIP	1K 5% 1/16W
R569	1-216-821-11	METAL CHIP	1K 5% 1/16W
R570	1-216-821-11	METAL CHIP	1K 5% 1/16W
R571	1-216-821-11	METAL CHIP	1K 5% 1/16W
R572	1-216-821-11	METAL CHIP	1K 5% 1/16W
R573	1-216-821-11	METAL CHIP	1K 5% 1/16W
R574	1-216-821-11	METAL CHIP	1K 5% 1/16W
R575	1-216-821-11	METAL CHIP	1K 5% 1/16W
R576	1-216-821-11	METAL CHIP	1K 5% 1/16W
R577	1-216-821-11	METAL CHIP	1K 5% 1/16W
R578	1-216-821-11	METAL CHIP	1K 5% 1/16W
R579	1-216-821-11	METAL CHIP	1K 5% 1/16W
R580	1-216-821-11	METAL CHIP	1K 5% 1/16W
R581	1-216-821-11	METAL CHIP	1K 5% 1/16W
R582	1-216-821-11	METAL CHIP	1K 5% 1/16W
R583	1-216-821-11	METAL CHIP	1K 5% 1/16W
R586	1-218-847-11	RES-CHIP	1K 2% 1/16W
R587	1-218-847-11	RES-CHIP	1K 2% 1/16W
R588	1-218-847-11	RES-CHIP	1K 2% 1/16W
< SWITCH >			
S501	1-572-704-31	SWITCH, KEYBOARD (▲)	
S502	1-572-704-31	SWITCH, KEYBOARD (SRC – SOURCE)	
S503	1-572-704-31	SWITCH, KEYBOARD (MODE)	
S504	1-572-704-31	SWITCH, KEYBOARD (SEL)	
S505	1-572-704-31	SWITCH, KEYBOARD (VOLUME +)	
S506	1-572-704-31	SWITCH, KEYBOARD (VOLUME –)	
S507	1-572-704-31	SWITCH, KEYBOARD (ATT)	
S508	1-572-704-31	SWITCH, KEYBOARD (SENS)	
S509	1-572-704-31	SWITCH, KEYBOARD (BTM)	
S510	1-572-704-31	SWITCH, KEYBOARD (DSPL)	
S511	1-572-704-31	SWITCH, KEYBOARD (OFF)	
S512	1-572-704-31	SWITCH, KEYBOARD (D-BASS)	
S513	1-572-704-31	SWITCH, KEYBOARD (MBP)	
S514	1-572-704-31	SWITCH, KEYBOARD (SEEK/AMS + ►►►►)	
S515	1-572-704-31	SWITCH, KEYBOARD (SEEK/AMS ◀◀◀◀ –)	
S516	1-572-704-31	SWITCH, KEYBOARD (6)	
S517	1-572-704-31	SWITCH, KEYBOARD (5)	
S518	1-572-704-31	SWITCH, KEYBOARD (4/SHUF)	
S519	1-572-704-31	SWITCH, KEYBOARD (3/REP)	
S520	1-572-704-31	SWITCH, KEYBOARD (2)	
S521	1-572-704-31	SWITCH, KEYBOARD (1)	
S581	1-572-704-31	SWITCH, KEYBOARD (RESET)	

Ref. No.	Part No.	Description	Remark
*	1-676-709-11	IN SELF SW BOARD (393X)	
	1-683-283-11	IN SELF SW BOARD (393XA)	

< SWITCH >			
SW2	1-529-566-31	SWITCH, PUSH (1 KEY) (SELF)	
SW3	1-529-566-31	SWITCH, PUSH (1 KEY) (DISC IN)	

	A-3283-234-A	MAIN BOARD, COMPLETE (including SPEAKER BOARD) (L460X)	
	A-3283-238-A	MAIN BOARD, COMPLETE (including SPEAKER BOARD) (L300)	

*	3-019-565-01	BRACKET (IC)	
	3-041-261-11	BRACKET (TR)	
*	3-224-613-01	HEAT SINK	
	7-685-793-09	SCREW +PTT 2.6X8 (S)	
	7-685-795-09	SCREW +PTT 2.6X12 (S)	
< CAPACITOR >			
C101	1-164-346-11	CERAMIC CHIP	1uF 16V
C102	1-164-346-11	CERAMIC CHIP	1uF 16V
C103	1-104-396-11	ELECT	10uF 20% 16V
C104	1-104-396-11	ELECT	10uF 20% 16V
C105	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C108	1-164-346-11	CERAMIC CHIP	1uF 16V
C110	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C111	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C113	1-164-677-11	CERAMIC CHIP	0.033uF 10% 16V
C114	1-124-257-00	ELECT	2.2uF 20% 50V
C115	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C116	1-164-346-11	CERAMIC CHIP	1uF 16V
C117	1-164-346-11	CERAMIC CHIP	1uF 16V
C118	1-164-346-11	CERAMIC CHIP	1uF 16V
C119	1-164-346-11	CERAMIC CHIP	1uF 16V
C201	1-164-346-11	CERAMIC CHIP	1uF 16V
C202	1-164-346-11	CERAMIC CHIP	1uF 16V
C203	1-104-396-11	ELECT	10uF 20% 16V
C204	1-104-396-11	ELECT	10uF 20% 16V
C205	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C208	1-164-346-11	CERAMIC CHIP	1uF 16V
C210	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C211	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C213	1-164-677-11	CERAMIC CHIP	0.033uF 10% 16V
C214	1-124-257-00	ELECT	2.2uF 20% 50V
C215	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C216	1-164-346-11	CERAMIC CHIP	1uF 16V
C217	1-164-346-11	CERAMIC CHIP	1uF 16V
C218	1-164-346-11	CERAMIC CHIP	1uF 16V
C219	1-124-234-00	ELECT	22uF 20% 16V
C401	1-126-163-11	ELECT	4.7uF 20% 50V
C407	1-104-396-11	ELECT	10uF 20% 16V
C426	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V

MAIN

Ref. No.	Part No.	Description	Remark		
C432	1-124-589-11	ELECT	47uF	20%	16V
C435	1-124-589-11	ELECT	47uF	20%	16V
C603	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C604	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C605	1-104-665-11	ELECT	100uF	20%	10V
C606	1-104-665-11	ELECT	100uF	20%	10V
C608	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C609	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C610	1-104-396-11	ELECT	10uF	20%	16V
C611	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C612	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C613	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C614	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C615	1-165-176-11	CERAMIC CHIP	10uF	10%	16V
C617	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C618	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C619	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C620	1-104-665-11	ELECT	100uF	20%	10V
C621	1-104-396-11	ELECT	10uF	20%	16V
C622	1-162-911-11	CERAMIC CHIP	6PF	0.5PF	50V
C623	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
C624	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C625	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C626	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C627	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C631	1-104-396-11	ELECT	10uF	20%	16V
C633	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C635	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C650	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C651	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C666	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C701	1-124-584-00	ELECT	100uF	20%	10V
C702	1-124-584-00	ELECT	100uF	20%	10V
C703	1-124-584-00	ELECT	100uF	20%	10V
C704	1-124-584-00	ELECT	100uF	20%	10V
C706	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C707	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C801	1-104-396-11	ELECT	10uF	20%	16V
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C803	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C804	1-164-160-11	CERAMIC CHIP	20PF	5%	50V
C806	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C809	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C810	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C812	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C841	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C842	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C843	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C844	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C845	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C846	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C847	1-164-346-11	CERAMIC CHIP	1uF		16V
C848	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V

Ref. No.	Part No.	Description	Remark		
C849	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C901	1-126-936-11	ELECT	3300uF	20%	16V
C902	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C904	1-126-160-11	ELECT	1uF	20%	50V
C905	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C907	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C909	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C914	1-104-665-11	ELECT	100uF	20%	10V
C915	1-110-654-11	DOUBLE LAYERS	0.047F		5.5V
C916	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C919	1-124-229-00	ELECT	33uF	20%	10V
< JACK >					
CNJ601	1-793-598-11	JACK (ANTENNA)			
< CONNECTOR >					
CNP501	1-774-701-11	PIN, CONNECTOR 16P			
CNP701	1-764-617-12	PIN, CONNECTOR (PC BOARD) 30P (393X)			
CNP701	1-815-260-11	CONNECTOR, BOARD TO BOARD 30P (393XA)			
CNP802	1-569-853-11	SOCKET, CONNECTOR 10P			
< SURGE ABSORBER >					
CP601	1-803-335-21	ABSORBER, CHIP SURGE			
< DIODE >					
D401	8-719-991-33	DIODE 1SS133T-77			
D402	8-719-991-33	DIODE 1SS133T-77			
D444	8-719-991-33	DIODE 1SS133T-77			
D445	8-719-988-61	DIODE 1SS355TE-17			
D446	8-719-988-61	DIODE 1SS355TE-17			
D604	8-719-109-85	DIODE RD5.1ES-B2			
D666	8-719-988-61	DIODE 1SS355TE-17			
D810	8-719-988-61	DIODE 1SS355TE-17			
D901	8-719-049-38	DIODE 1N5404TU			
D903	8-719-109-97	DIODE RD6.8ES-B2			
D904	8-719-200-82	DIODE 11ES2			
D906	8-719-921-63	DIODE MTZJ-7.5B			
D907	8-719-110-49	DIODE RD18ES-B2			
D908	8-719-921-63	DIODE MTZJ-7.5B			
D909	8-719-109-97	DIODE RD6.8ES-B2			
D910	8-719-109-89	DIODE RD5.6ES-B2			
D913	8-719-110-14	DIODE RD9.1ES-B3			
D914	8-719-991-33	DIODE 1SS133T-77			
D915	8-719-110-49	DIODE RD18ES-B2			
D916	8-719-110-49	DIODE RD18ES-B2			
D917	8-719-110-49	DIODE RD18ES-B2			
D918	8-719-110-49	DIODE RD18ES-B2			
D919	8-719-110-49	DIODE RD18ES-B2			
D920	8-719-074-47	DIODE CRS02(TE85L)			
D921	8-719-074-47	DIODE CRS02(TE85L)			
D922	8-719-110-49	DIODE RD18ES-B2			
D923	8-719-110-14	DIODE RD9.1ES-B3			

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
D930	8-719-109-89	DIODE RD5.6ES-B2					Q911	8-729-055-96	TRANSISTOR SRC1203SF				
D999	8-719-991-33	DIODE 1SS133T-77					Q912	8-729-055-92	TRANSISTOR SRA2203SF				
< IC >							Q913	8-729-019-00	TRANSISTOR 2SD2394-G				
IC101	8-759-827-12	IC TA8272H					Q914	8-729-055-96	TRANSISTOR SRC1203SF				
IC401	8-759-827-11	IC LC75421M-TLM-E					Q915	8-729-049-43	TRANSISTOR STB1132Y				
IC601	8-759-586-59	IC TB2118F-EL-S					Q916	8-729-055-92	TRANSISTOR SRA2203SF				
IC801	6-801-168-01	IC uPD780024AGK-B52-9ET					Q917	8-729-820-46	TRANSISTOR 2SB1202FAS				
IC902	8-759-837-07	IC S7139SF					Q918	8-729-055-92	TRANSISTOR SRA2203SF				
< JUMPER RESISTOR >							Q919	8-729-052-35	TRANSISTOR STD1664				
JR1	1-216-864-11	METAL CHIP	0	5%	1/16W	Q920	8-729-052-35	TRANSISTOR STD1664					
JR101	1-216-864-11	METAL CHIP	0	5%	1/16W	Q921	8-729-055-96	TRANSISTOR SRC1203SF					
JR602	1-216-864-11	METAL CHIP	0	5%	1/16W	Q929	8-729-055-96	TRANSISTOR SRC1203SF					
JR610	1-216-864-11	METAL CHIP	0	5%	1/16W	< RESISTOR >							
JR901	1-216-864-11	METAL CHIP	0	5%	1/16W	R105	1-249-431-11	CARBON	15K	5%	1/4W		
JR903	1-216-864-11	METAL CHIP	0	5%	1/16W	R106	1-249-431-11	CARBON	15K	5%	1/4W		
JR929	1-216-864-11	METAL CHIP	0	5%	1/16W	R107	1-216-841-11	METAL CHIP	47K	5%	1/16W		
< COIL >							R108	1-216-841-11	METAL CHIP	47K	5%	1/16W	
JW13	1-410-509-11	INDUCTOR	10uH			R109	1-216-809-11	METAL CHIP	100	5%	1/16W		
L601	1-410-508-11	INDUCTOR	8.2uH			R110	1-216-809-11	METAL CHIP	100	5%	1/16W		
L603	1-412-006-31	INDUCTOR	10uH			R113	1-216-831-11	METAL CHIP	6.8K	5%	1/16W		
L604	1-410-750-41	INDUCTOR	0.47uH			R115	1-216-834-11	METAL CHIP	12K	5%	1/16W		
L605	1-216-864-11	METAL CHIP	0	5%	1/16W	R205	1-249-431-11	CARBON	15K	5%	1/4W		
L669	1-424-759-21	COIL (AM ANT)				R206	1-249-431-11	CARBON	15K	5%	1/4W		
L701	1-410-513-11	INDUCTOR	22uH			R207	1-216-841-11	METAL CHIP	47K	5%	1/16W		
L702	1-410-513-11	INDUCTOR	22uH			R208	1-216-841-11	METAL CHIP	47K	5%	1/16W		
L703	1-410-513-11	INDUCTOR	22uH			R209	1-216-809-11	METAL CHIP	100	5%	1/16W		
L901	1-419-476-31	COIL, CHOKE	250uH			R210	1-216-809-11	METAL CHIP	100	5%	1/16W		
< JACK >							R213	1-216-831-11	METAL CHIP	6.8K	5%	1/16W	
PJ401	1-774-698-11	JACK, PIN 2P (AUDIO OUT REAR)					R215	1-216-834-11	METAL CHIP	12K	5%	1/16W	
< TRANSISTOR >							R401	1-249-429-11	CARBON	10K	5%	1/4W	
Q101	8-729-920-21	TRANSISTOR DTC314TK-T-146					R404	1-249-417-11	CARBON	1K	5%	1/4W	
Q102	8-729-920-21	TRANSISTOR DTC314TK-T-146					R407	1-216-841-11	METAL CHIP	47K	5%	1/16W	
Q201	8-729-920-21	TRANSISTOR DTC314TK-T-146					R408	1-216-831-11	METAL CHIP	6.8K	5%	1/16W	
Q202	8-729-920-21	TRANSISTOR DTC314TK-T-146					R410	1-216-805-11	METAL CHIP	47	5%	1/16W	
Q401	8-729-055-92	TRANSISTOR SRA2203SF					R444	1-216-864-11	METAL CHIP	0	5%	1/16W	
Q402	8-729-055-96	TRANSISTOR SRC1203SF					R601	1-249-417-11	CARBON	1K	5%	1/4W	
Q603	8-729-030-51	TRANSISTOR 2SA1515S-R-TP					R602	1-216-821-11	METAL CHIP	1K	5%	1/16W	
Q604	8-729-055-96	TRANSISTOR SRC1203SF					R603	1-249-407-11	CARBON	150	5%	1/4W	
Q605	8-729-030-51	TRANSISTOR 2SA1515S-R-TP					R604	1-216-821-11	METAL CHIP	1K	5%	1/16W	
Q606	8-729-055-96	TRANSISTOR SRC1203SF					R605	1-216-841-11	METAL CHIP	47K	5%	1/16W	
Q902	8-729-049-40	TRANSISTOR 2SC5343SFG					R606	1-216-841-11	METAL CHIP	47K	5%	1/16W	
Q903	8-729-055-96	TRANSISTOR SRC1203SF					R607	1-216-827-11	METAL CHIP	3.3K	5%	1/16W	
Q904	8-729-055-96	TRANSISTOR SRC1203SF					R608	1-216-833-11	METAL CHIP	10K	5%	1/16W	
Q905	8-729-055-96	TRANSISTOR SRC1203SF					R609	1-216-809-11	METAL CHIP	100	5%	1/16W	
Q906	8-729-055-92	TRANSISTOR SRA2203SF					R610	1-216-809-11	METAL CHIP	100	5%	1/16W	
Q907	8-729-019-00	TRANSISTOR 2SD2394-G					R611	1-216-826-11	METAL CHIP	2.7K	5%	1/16W	
Q909	8-729-055-96	TRANSISTOR SRC1203SF					R612	1-216-833-11	METAL CHIP	10K	5%	1/16W	
Q910	8-729-052-35	TRANSISTOR STD1664					R613	1-216-833-11	METAL CHIP	10K	5%	1/16W	
< RESISTOR >							R614	1-216-174-00	RES-CHIP	100	5%	1/8W	
JR101	1-216-864-11	METAL CHIP	0	5%	1/16W	R615	1-216-825-11	METAL CHIP	2.2K	5%	1/16W		
JR602	1-216-864-11	METAL CHIP	0	5%	1/16W	R616	1-216-845-11	METAL CHIP	100K	5%	1/16W		
JR610	1-216-864-11	METAL CHIP	0	5%	1/16W	R617	1-216-825-11	METAL CHIP	2.2K	5%	1/16W		
JR901	1-216-864-11	METAL CHIP	0	5%	1/16W								

CDX-L300/L460X

MAIN

SERVO

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R618	1-216-845-11	METAL CHIP	100K	5%	1/16W	R910	1-216-836-11	METAL CHIP	18K	5%	1/16W
R619	1-216-817-11	METAL CHIP	470	5%	1/16W	R911	1-216-821-11	METAL CHIP	1K	5%	1/16W
R620	1-216-817-11	METAL CHIP	470	5%	1/16W	R912	1-249-413-11	CARBON	470	5%	1/4W
					(L300)	R913	1-249-417-11	CARBON	1K	5%	1/4W
R620	1-216-821-11	METAL CHIP	1K	5%	1/16W	R917	1-249-409-11	CARBON	220	5%	1/4W
					(L460X)						
R621	1-216-835-11	METAL CHIP	15K	5%	1/16W	R918	1-216-845-11	METAL CHIP	100K	5%	1/16W
R622	1-216-817-11	METAL CHIP	470	5%	1/16W	R919	1-249-421-11	CARBON	2.2K	5%	1/4W
					(L300)	R920	1-216-849-11	METAL CHIP	220K	5%	1/16W
R622	1-216-821-11	METAL CHIP	1K	5%	1/16W	R921	1-216-841-11	METAL CHIP	47K	5%	1/16W
					(L460X)	R922	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R623	1-216-835-11	METAL CHIP	15K	5%	1/16W	R923	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R628	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R924	1-249-404-00	CARBON	82	5%	1/4W
					(L300)	R925	1-249-404-00	CARBON	82	5%	1/4W
R628	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	R926	1-249-404-00	CARBON	82	5%	1/4W
					(L460X)	R927	1-249-404-00	CARBON	82	5%	1/4W
R704	1-216-821-11	METAL CHIP	1K	5%	1/16W	R928	1-249-404-00	CARBON	82	5%	1/4W
R705	1-216-821-11	METAL CHIP	1K	5%	1/16W	R929	1-249-404-00	CARBON	82	5%	1/4W
R706	1-216-864-11	METAL CHIP	0	5%	1/16W	R930	1-249-395-11	CARBON	15	5%	1/4W
R707	1-247-887-00	CARBON	220K	5%	1/4W	R931	1-249-427-11	CARBON	6.8K	5%	1/4W
R708	1-216-821-11	METAL CHIP	1K	5%	1/16W	R932	1-249-421-11	CARBON	2.2K	5%	1/4W
R709	1-216-821-11	METAL CHIP	1K	5%	1/16W	R933	1-216-821-11	METAL CHIP	1K	5%	1/16W
R710	1-216-821-11	METAL CHIP	1K	5%	1/16W	R934	1-249-409-11	CARBON	220	5%	1/4W
R711	1-216-821-11	METAL CHIP	1K	5%	1/16W						
R714	1-216-825-11	METAL CHIP	2.2K	5%	1/16W			< SWITCH >			
R716	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
						SW801	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECT) (L460X)			
								< THERMISTOR >			
R802	1-216-849-11	METAL CHIP	220K	5%	1/16W						
R806	1-249-417-11	CARBON	1K	5%	1/4W						
R807	1-216-821-11	METAL CHIP	1K	5%	1/16W	TH901	1-809-148-11	THERMISTOR PTH8L07AR2R0M1B510			
R808	1-216-821-11	METAL CHIP	1K	5%	1/16W			< TUNER >			
R809	1-216-837-11	METAL CHIP	22K	5%	1/16W						
						TU601	A-3220-835-A	TUNER UNIT (TUX-010)			
R810	1-247-807-31	CARBON	100	5%	1/4W			< VIBRATOR >			
R811	1-247-807-31	CARBON	100	5%	1/4W						
R812	1-247-807-31	CARBON	100	5%	1/4W						
R813	1-216-837-11	METAL CHIP	22K	5%	1/16W	X601	1-781-246-21	VIBRATOR, CRYSTAL (10.25MHz)			
R814	1-216-809-11	METAL CHIP	100	5%	1/16W	X801	1-795-259-11	VIBRATOR, CERAMIC (8.38MHz)			
						X802	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)			
R815	1-216-809-11	METAL CHIP	100	5%	1/16W	*****					
R817	1-216-841-11	METAL CHIP	47K	5%	1/16W						
					(L460X)	*	A-3283-212-A	SERVO BOARD, COMPLETE (393X)			
R818	1-216-845-11	METAL CHIP	100K	5%	1/16W			*****			
					(L460X)			< CAPACITOR >			
R819	1-216-864-11	METAL CHIP	0	5%	1/16W						
					(L300)						
R822	1-249-441-11	CARBON	100K	5%	1/4W	C1	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
						C3	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
R824	1-216-849-11	METAL CHIP	220K	5%	1/16W	C4	1-104-609-11	ELECT CHIP	100uF	20%	4V
R840	1-216-821-11	METAL CHIP	1K	5%	1/16W	C5	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
R841	1-216-821-11	METAL CHIP	1K	5%	1/16W	C6	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
R842	1-216-821-11	METAL CHIP	1K	5%	1/16W						
R843	1-216-821-11	METAL CHIP	1K	5%	1/16W	C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C9	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
R901	1-216-214-00	RES-CHIP	4.7K	5%	1/8W	C10	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
R906	1-249-417-11	CARBON	1K	5%	1/4W	C11	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V
R907	1-216-841-11	METAL CHIP	47K	5%	1/16W	C13	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
R908	1-216-841-11	METAL CHIP	47K	5%	1/16W						
R909	1-216-828-11	METAL CHIP	3.9K	5%	1/16W						

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
C14	1-125-837-00	CERAMIC CHIP	1uF	10%	6.3V		R8	1-216-833-11	METAL CHIP	10K	5%	1/16W	
C15	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R9	1-216-840-11	METAL CHIP	39K	5%	1/16W	
C16	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R10	1-216-835-11	METAL CHIP	15K	5%	1/16W	
C17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R12	1-216-837-11	METAL CHIP	22K	5%	1/16W	
C18	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		R14	1-216-841-11	METAL CHIP	47K	5%	1/16W	
C19	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R15	1-216-841-11	METAL CHIP	47K	5%	1/16W	
C20	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		R17	1-216-809-11	METAL CHIP	100	5%	1/16W	
C21	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R18	1-216-809-11	METAL CHIP	100	5%	1/16W	
C22	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R19	1-216-809-11	METAL CHIP	100	5%	1/16W	
C23	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		R20	1-216-809-11	METAL CHIP	100	5%	1/16W	
C24	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R21	1-216-821-11	METAL CHIP	1K	5%	1/16W	
C25	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R22	1-216-821-11	METAL CHIP	1K	5%	1/16W	
C26	1-126-391-11	ELECT CHIP	47uF	20%	6.3V		R24	1-216-864-11	METAL CHIP	0	5%	1/16W	
C27	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R25	1-216-864-11	METAL CHIP	0	5%	1/16W	
C29	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R26	1-216-797-11	METAL CHIP	10	5%	1/16W	
C30	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R29	1-216-833-11	METAL CHIP	10K	5%	1/16W	
C34	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		R30	1-216-833-11	METAL CHIP	10K	5%	1/16W	
C35	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V								
C36	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V				< SWITCH >				
C37	1-126-393-11	ELECT CHIP	33uF	20%	10V								
C38	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		SW1	1-762-944-12	SWITCH, DETECTION (SMALL TYPE) (DOWN)				
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V				< VIBRATOR >				
C41	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V								
C43	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V		X1	1-781-759-21	VIBRATOR, CERAMIC (CHIP TYPE)				
C44	1-125-837-00	CERAMIC CHIP	1uF	10%	6.3V							(16.9344MHz)	

C45	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V			A-3283-233-A	SERVO BOARD, COMPLETE (393XA)				
		< CONNECTOR >							*****				
CN1	1-764-616-12	CONNECTOR, BOARD TO BOARD 30P						1-683-284-11	FLEXIBLE BOARD				
CN2	1-794-153-21	CONNECTOR, FPC (ZIF) 16P											
CN3	1-770-347-21	CONNECTOR, FPC 6P							< CAPACITOR >				
		< JUMPER RESISTOR >					C1	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
							C3	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
FB1	1-216-864-11	METAL CHIP	0	5%	1/16W		C4	1-104-609-11	ELECT CHIP	100uF	20%	4V	
FB2	1-216-864-11	METAL CHIP	0	5%	1/16W		C5	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
FB3	1-216-864-11	METAL CHIP	0	5%	1/16W		C6	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
FB4	1-216-864-11	METAL CHIP	0	5%	1/16W								
FB6	1-216-864-11	METAL CHIP	0	5%	1/16W		C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C9	1-162-924-11	CERAMIC CHIP	56PF	5%	50V	
FB7	1-216-864-11	METAL CHIP	0	5%	1/16W		C10	1-162-924-11	CERAMIC CHIP	56PF	5%	50V	
		< IC >					C11	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	
							C13	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
IC1	8-759-699-98	IC uPD63711GC-8EU						C14	1-125-837-00	CERAMIC CHIP	1uF	10%	6.3V
IC2	8-759-658-87	IC BA5810FP-E2						C15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< TRANSISTOR >					C16	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
							C17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
Q1	8-729-904-87	TRANSISTOR 2SB1197K-R						C18	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
		< RESISTOR >					C19	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
							C20	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
R3	1-216-797-11	METAL CHIP	10	5%	1/16W		C21	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R5	1-218-344-11	RES-CHIP	7.5K	5%	1/16W		C22	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R6	1-216-837-11	METAL CHIP	22K	5%	1/16W		C23	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
R7	1-216-839-11	METAL CHIP	33K	5%	1/16W		C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	

CDX-L300/L460X

SERVO

SL SW

SPEAKER

Ref. No.	Part No.	Description	Remark		
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C26	1-126-391-11	ELECT CHIP	4.7uF	20%	6.3V
C27	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C29	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C30	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C34	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C35	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C36	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C37	1-126-393-11	ELECT CHIP	33uF	20%	10V
C38	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C41	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C43	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C44	1-125-837-00	CERAMIC CHIP	1uF	10%	6.3V
C45	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
< CONNECTOR >					
CN1	1-815-352-11	CONNECTOR, BOARD TO BOARD 30P			
CN3	1-816-275-11	FFC/FPC CONNECTOR 6P			
< JUMPER RESISTOR >					
FB1	1-216-864-11	METAL CHIP	0	5%	1/16W
FB2	1-216-864-11	METAL CHIP	0	5%	1/16W
FB3	1-216-864-11	METAL CHIP	0	5%	1/16W
FB4	1-216-864-11	METAL CHIP	0	5%	1/16W
FB6	1-216-864-11	METAL CHIP	0	5%	1/16W
FB7	1-216-864-11	METAL CHIP	0	5%	1/16W
< IC >					
IC1	8-759-699-98	IC uPD63711GC-8EU			
IC2	8-759-658-87	IC BA5810FP-E2			
< TRANSISTOR >					
Q1	8-729-904-87	TRANSISTOR 2SB1197K-R			
< RESISTOR >					
R3	1-216-797-11	METAL CHIP	10	5%	1/16W
R5	1-218-344-11	RES-CHIP	7.5K	5%	1/16W
R6	1-216-837-11	METAL CHIP	22K	5%	1/16W
R7	1-216-839-11	METAL CHIP	33K	5%	1/16W
R8	1-216-833-11	METAL CHIP	10K	5%	1/16W
R9	1-216-840-11	METAL CHIP	39K	5%	1/16W
R10	1-216-835-11	METAL CHIP	15K	5%	1/16W
R12	1-216-837-11	METAL CHIP	22K	5%	1/16W
R14	1-216-841-11	METAL CHIP	47K	5%	1/16W
R15	1-216-841-11	METAL CHIP	47K	5%	1/16W
R17	1-216-809-11	METAL CHIP	100	5%	1/16W
R18	1-216-809-11	METAL CHIP	100	5%	1/16W
R19	1-216-809-11	METAL CHIP	100	5%	1/16W
R20	1-216-809-11	METAL CHIP	100	5%	1/16W
R21	1-216-821-11	METAL CHIP	1K	5%	1/16W
R22	1-216-821-11	METAL CHIP	1K	5%	1/16W

Ref. No.	Part No.	Description	Remark		
R24	1-216-864-11	METAL CHIP	0	5%	1/16W
R25	1-216-864-11	METAL CHIP	0	5%	1/16W
R26	1-216-797-11	METAL CHIP	10	5%	1/16W
R29	1-216-833-11	METAL CHIP	10K	5%	1/16W
R30	1-216-833-11	METAL CHIP	10K	5%	1/16W
< SWITCH >					
SW1	1-762-944-12	SWITCH, DETECTION (SMALL TYPE) (DOWN)			
< VIBRATOR >					
X1	1-795-520-11	VIBRATOR, CERAMIC (16.9344MHz)			

*	1-676-708-11	SL SW BOARD (393X)			
	1-683-282-11	SL SW BOARD (393XA)			

< SWITCH >					
SW4	1-529-565-41	SWITCH, PUSH (1 KEY) (LIMIT)			

	1-683-602-11	SPEAKER BOARD (supplied with MAIN BOARD, COMPLETE)			

MISCELLANEOUS					

3	1-776-206-21	CORD (WITH CONNECTOR) (POWER)			
117	1-683-284-11	FLEXIBLE BOARD (393XA)			
201	X-3378-480-1	CHASSIS (OP) ASSY (including M901)			
207	1-677-182-11	MOTOR FLEXIBLE BOARD (393X)			
207	1-823-641-11	CABLE, FLEXIBLE FLAT (6 CORE) (393XA)			
△ 210	8-820-103-11	PICK-UP, OPTICAL KSS-720A/C-RP			
211	1-676-707-11	PICK-UP FLEXIBLE BOARD (393X)			
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A			
M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)			
M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)			

ACCESSORIES					

	3-237-523-11	MANUAL, INSTRUCTION (ENGLISH, TRADITIONAL CHINESE) (L460X)			
	3-237-524-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, TRADITIONAL CHINESE) (L460X)			
	3-237-525-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (L300)			
	3-237-526-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH) (L300)			

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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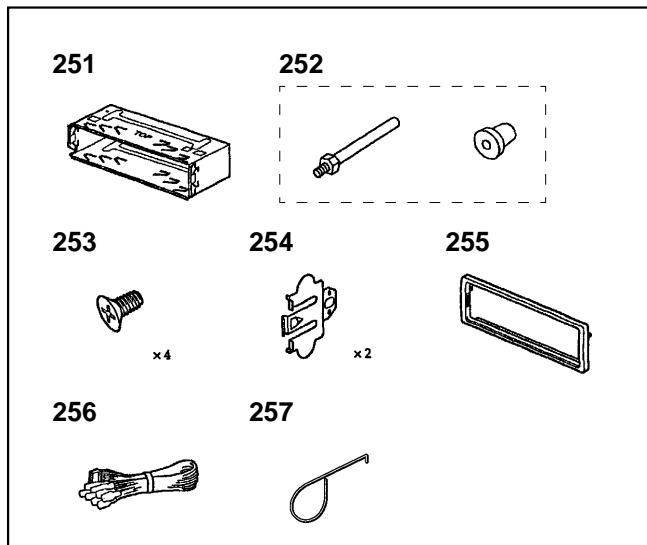
Ref. No.	Part No.	Description	Remark

HARDWARE LIST			

#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#3	7-685-795-09	SCREW +PTT 2.6X12 (S)	
#4	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT	
#5	7-627-850-28	SCREW, PRECISION +P 1.4X3	
#6	7-627-553-17	SCREW, PRECISION +P 2X2 TYPE3	
#7	7-628-253-00	SCREW, SPECIAL	
#8	7-627-553-37	SCREW, PRECISION +P 2X3 TYPE3	
#9	7-685-780-01	SCREW +PTT 2X3 (S)	

PARTS FOR INSTALLATION AND CONNECTIONS

251	3-014-370-21	FRAME, FITTING
252	X-3366-405-1	SCREW ASSY (EXP), FITTING (L460X)
253	3-934-325-01	SCREW (+K 5X8 TP)
254	3-030-929-04	SPRING, FITTING
255	3-224-614-01	COLLAR
256	1-776-206-21	CORD (WITH CONNECTOR) (POWER)
* 257	3-035-161-01	BRACKET (RELEASE)



REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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